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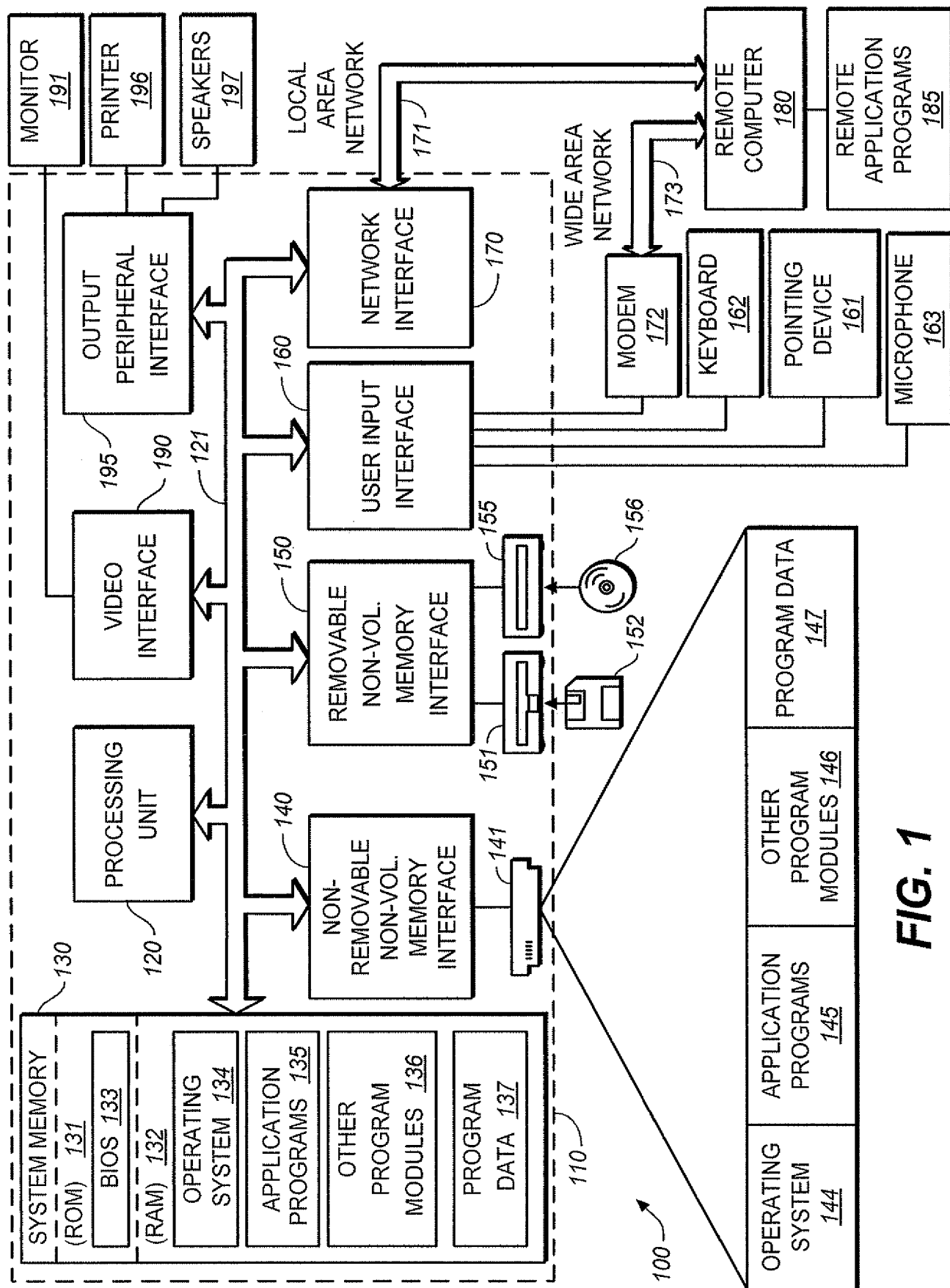


FIG. 1

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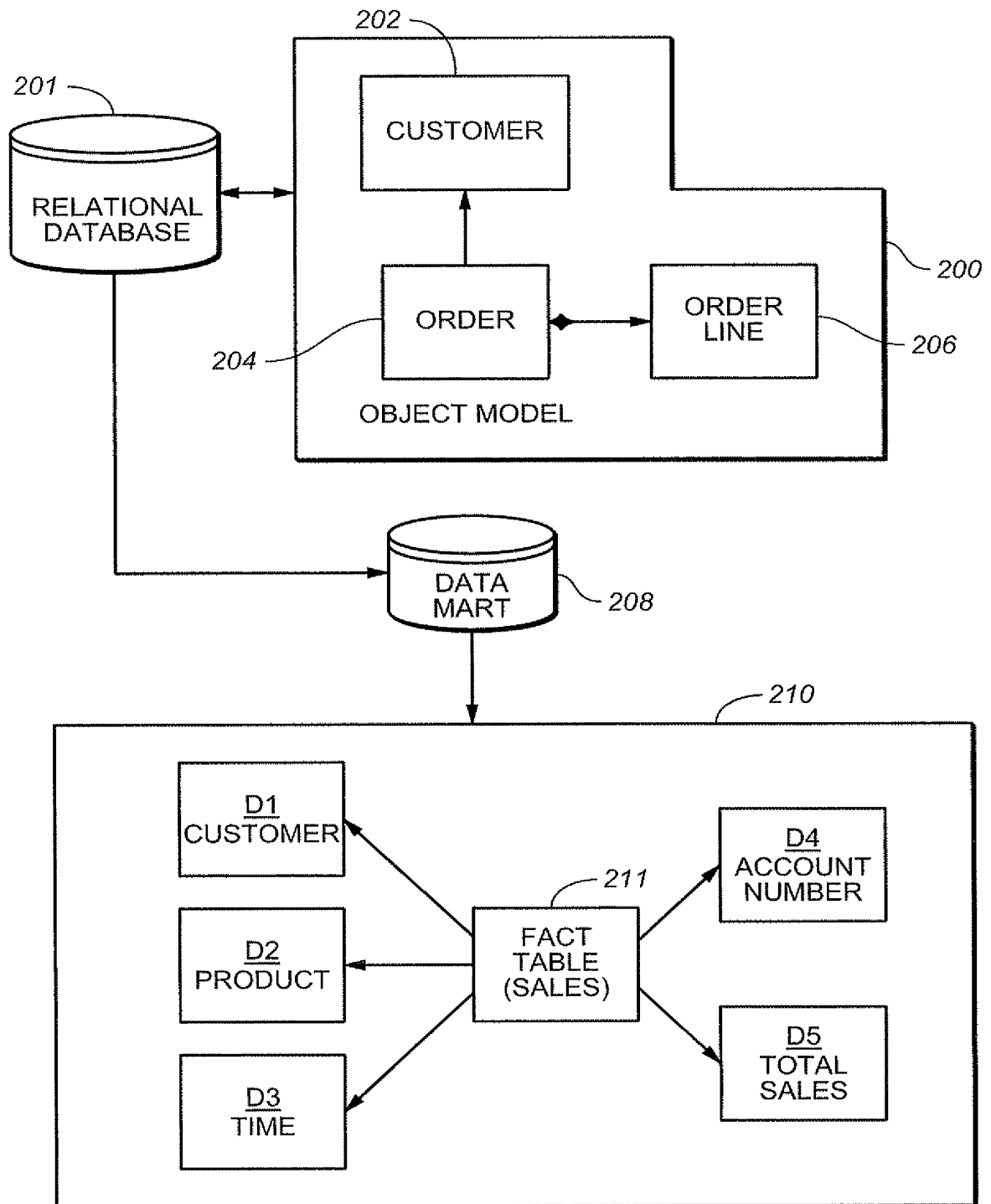
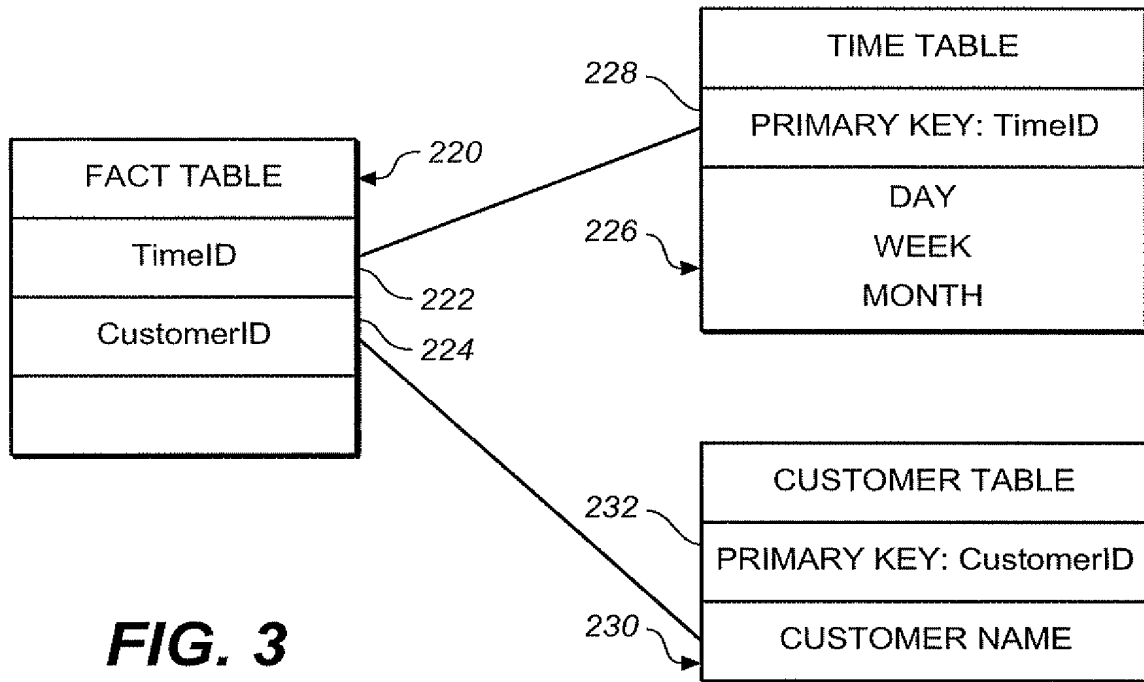


FIG. 2
(PRIOR ART)

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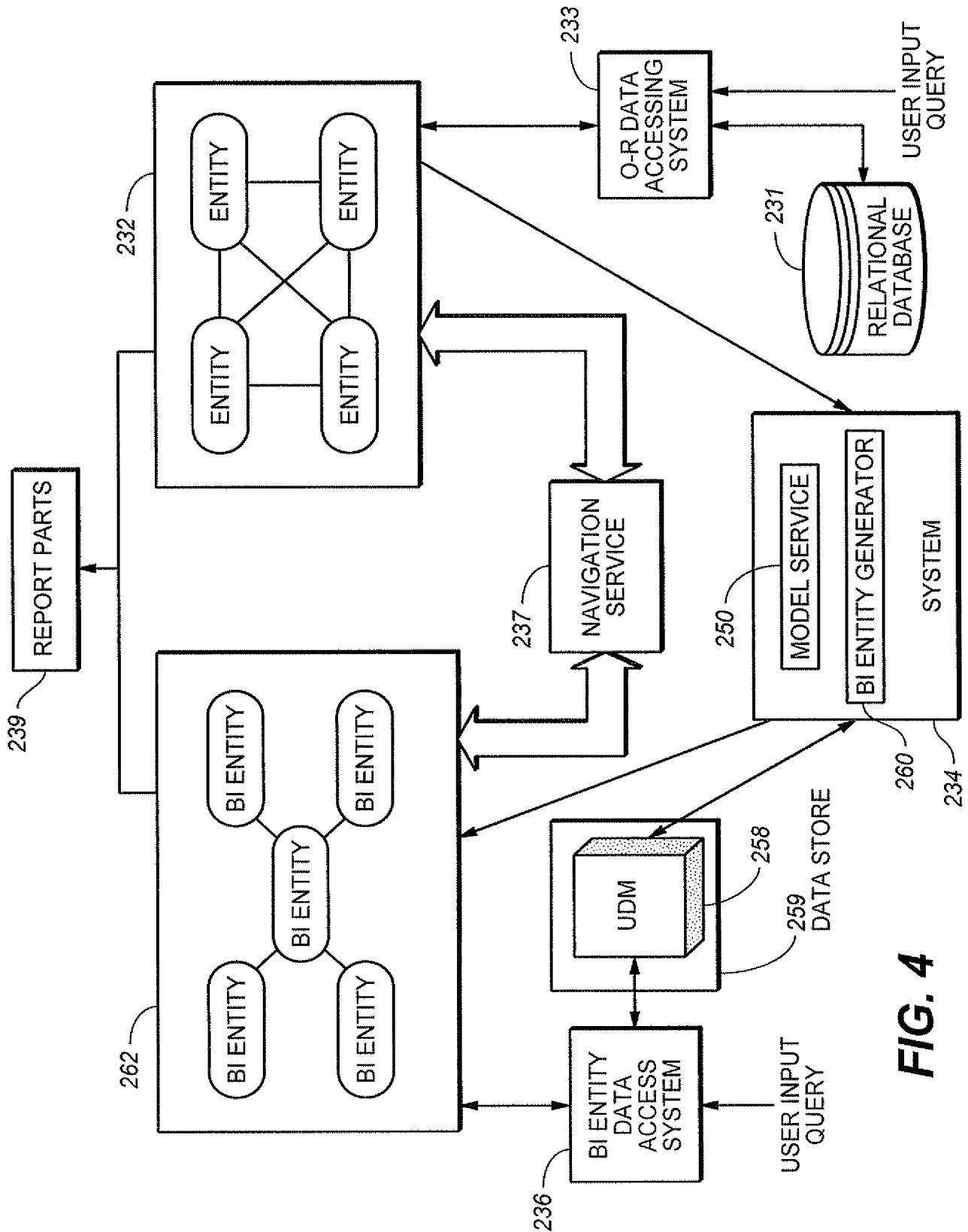


FIG. 4

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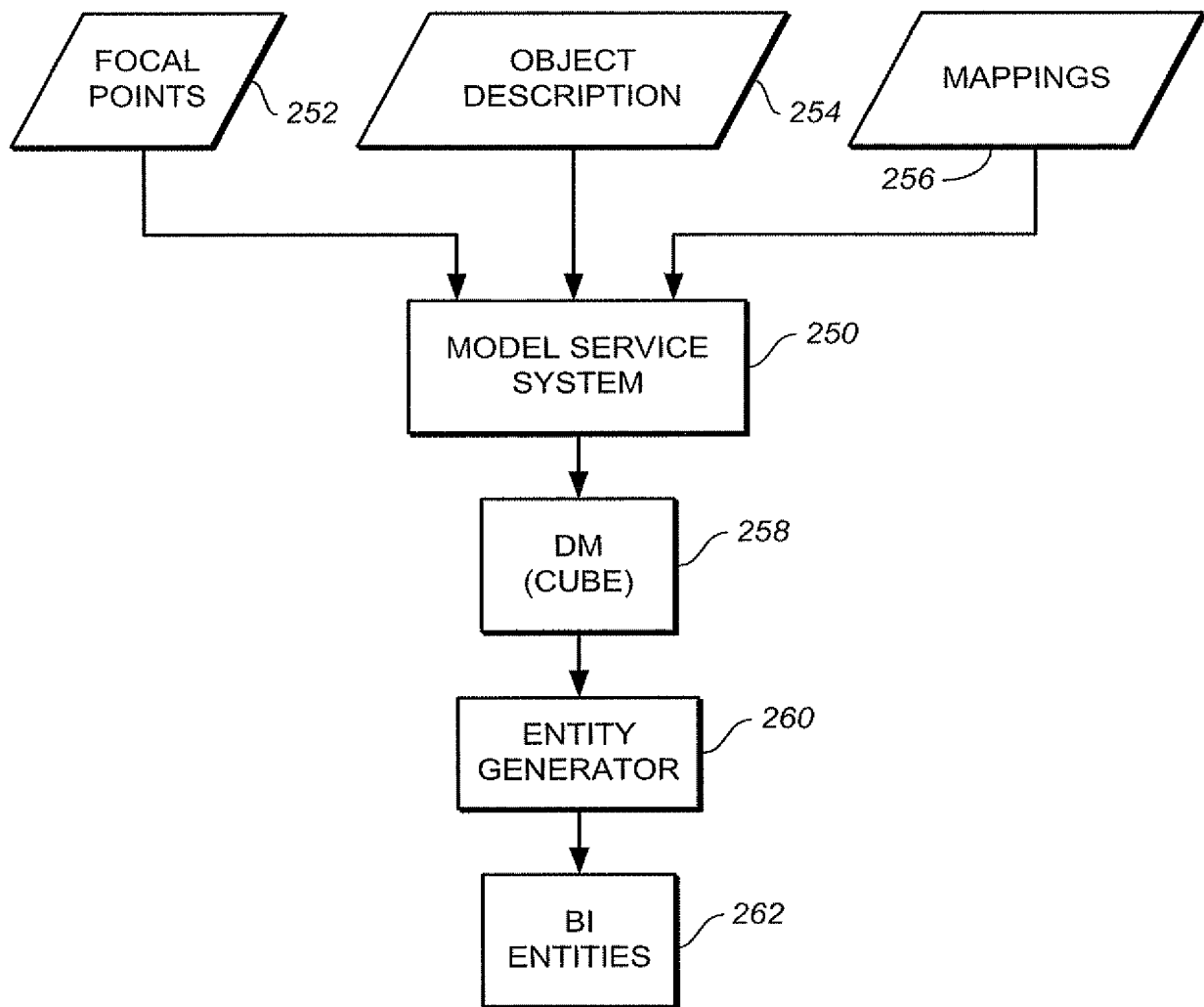


FIG. 4A

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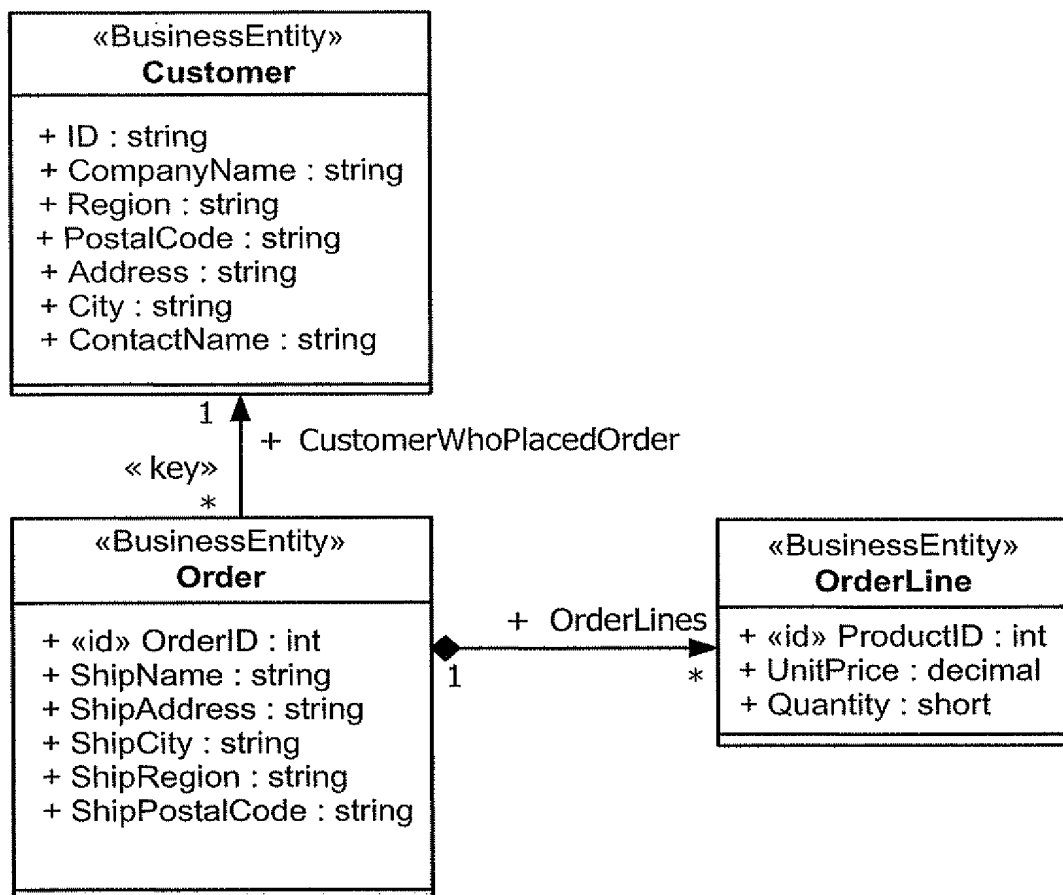


FIG. 4B

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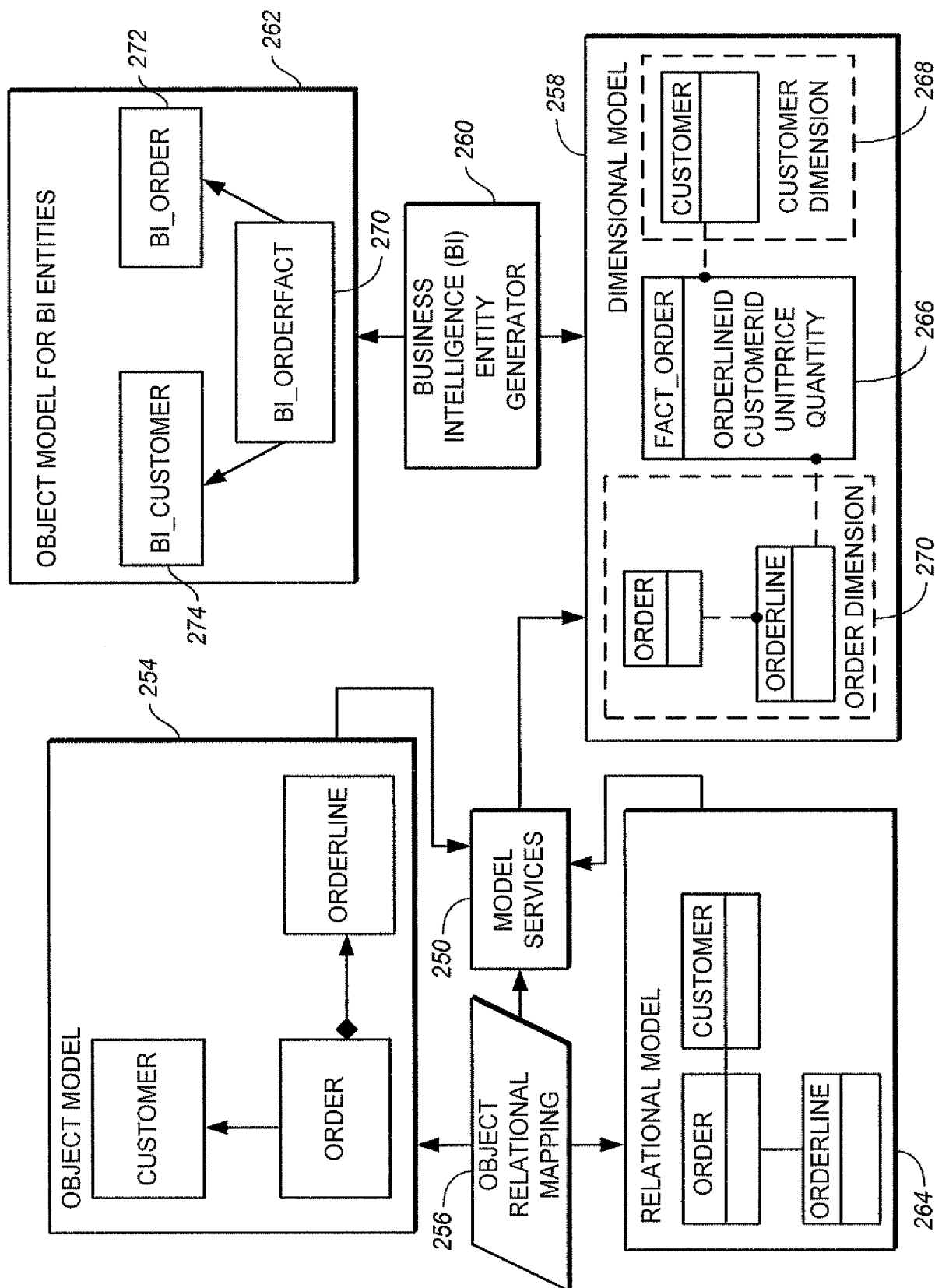
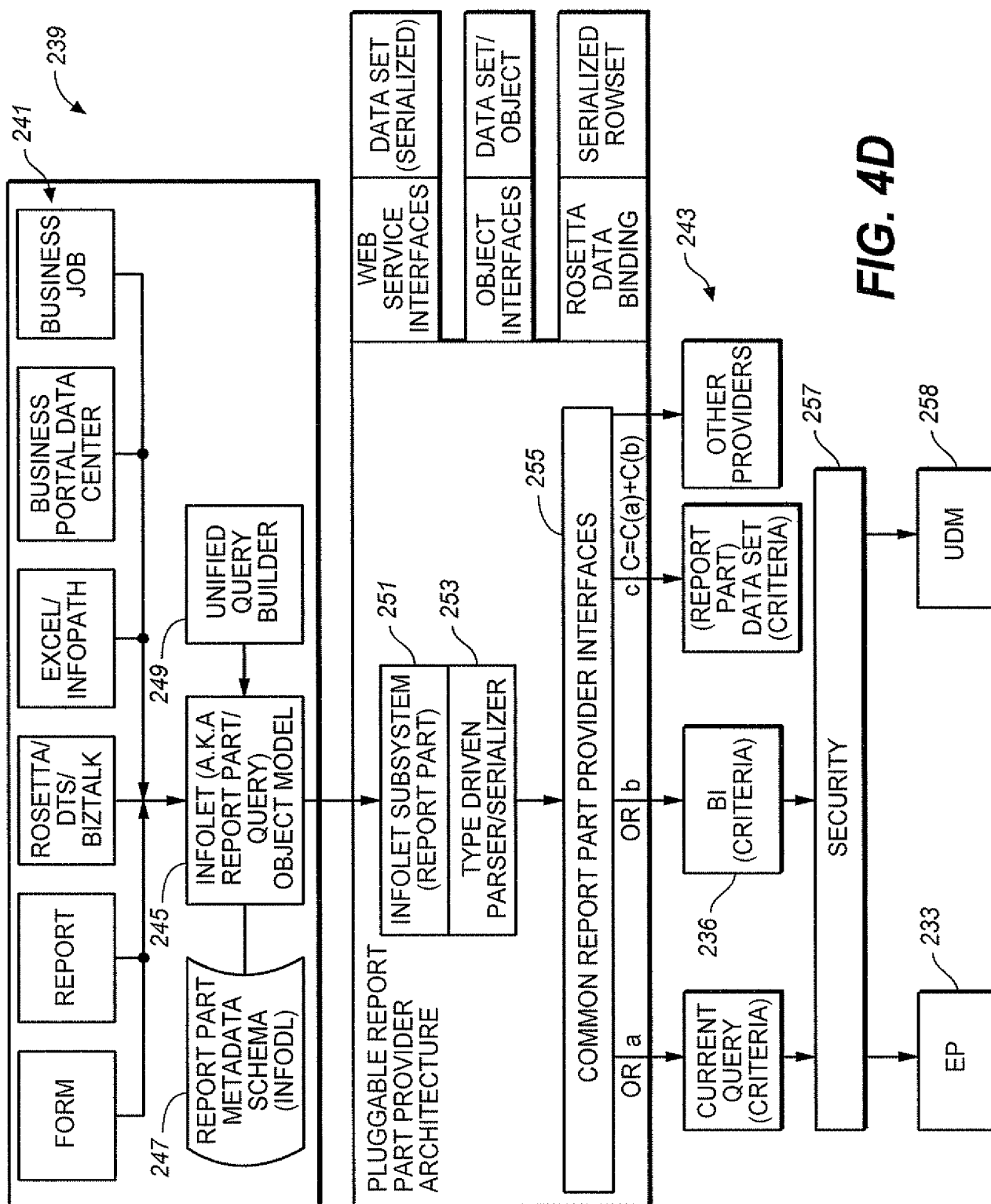


FIG. 4C

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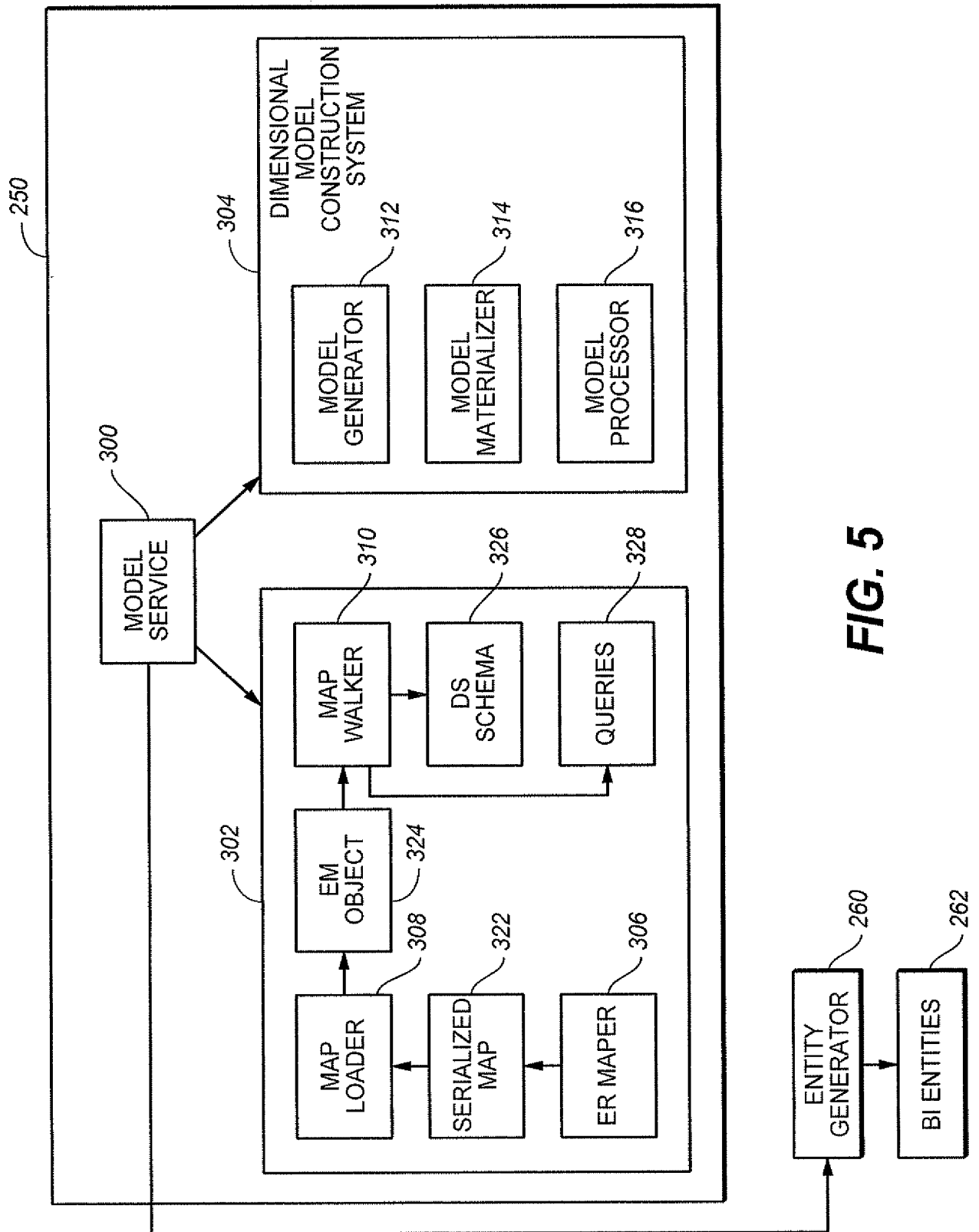


FIG. 5

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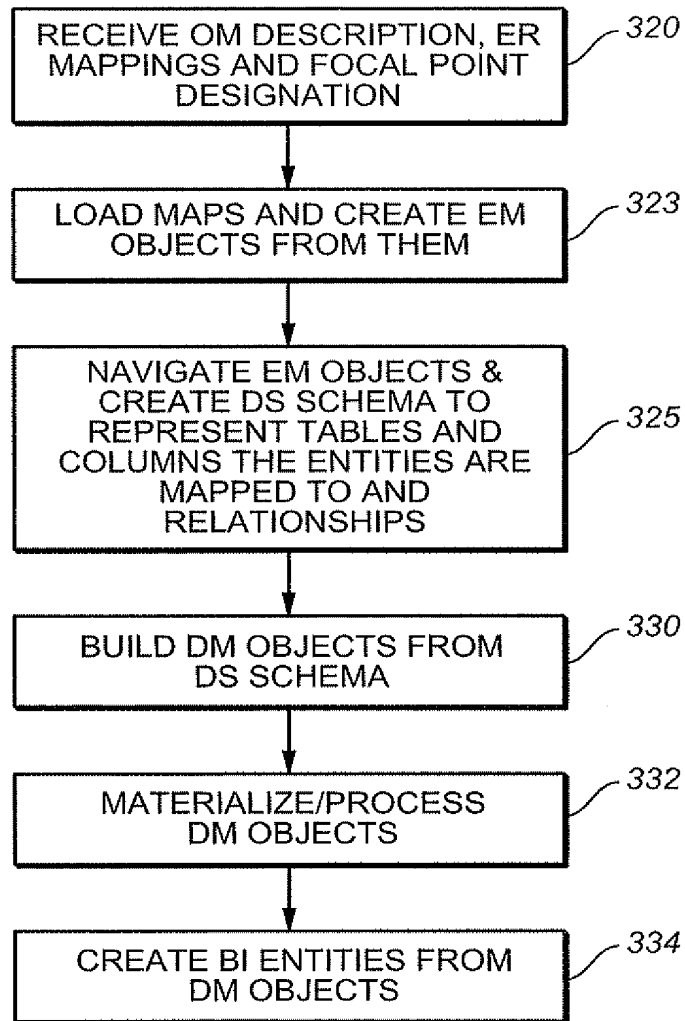


FIG. 6A

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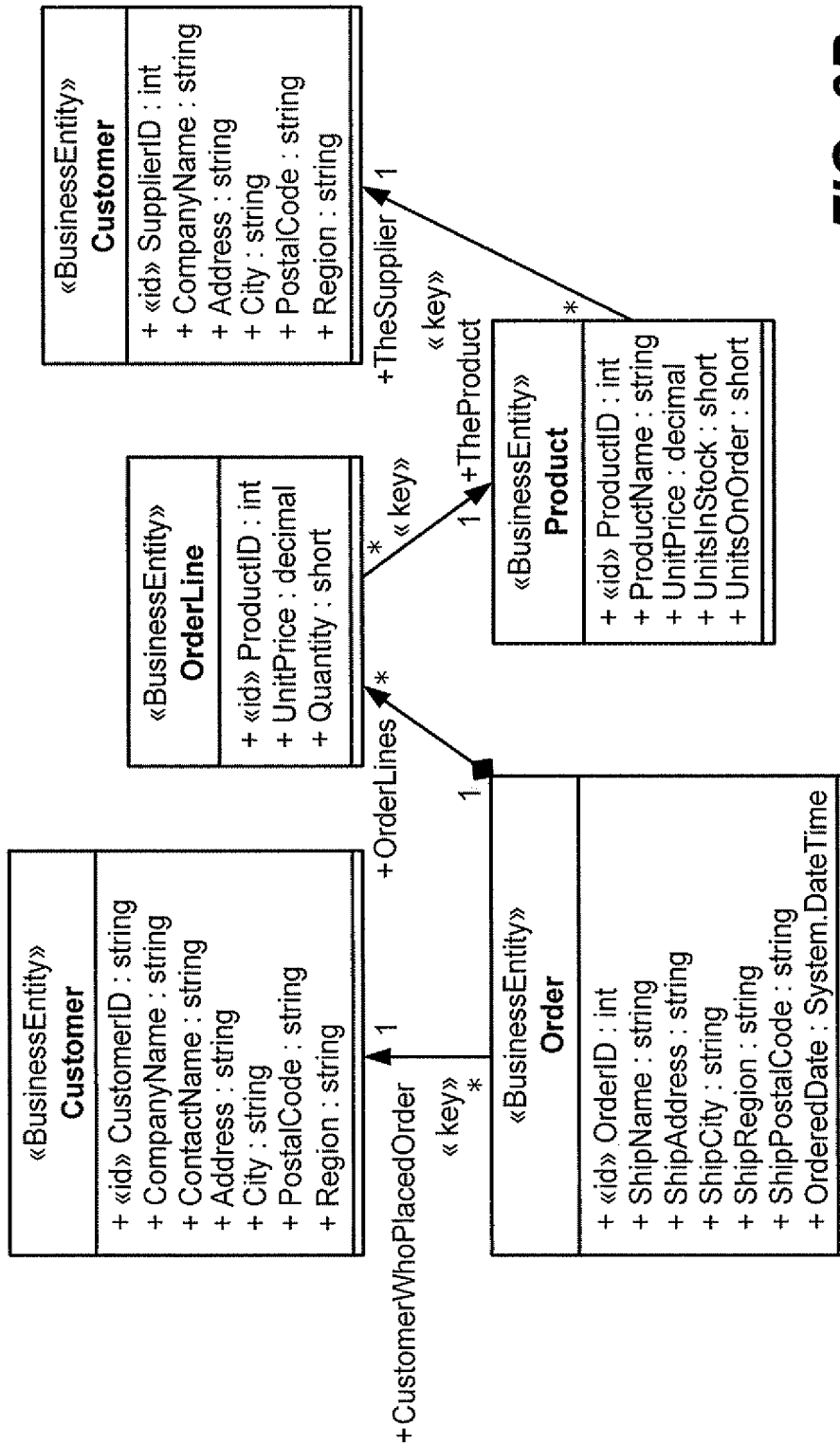


FIG. 6B

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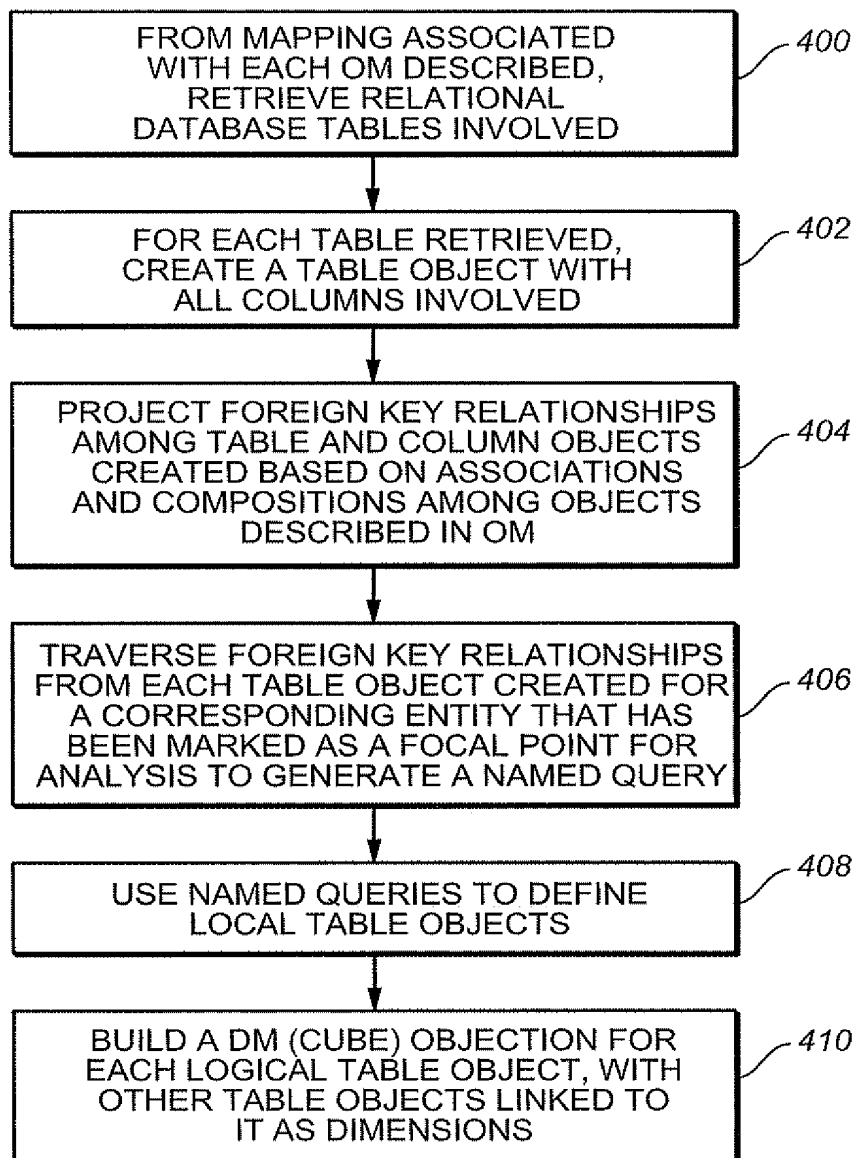
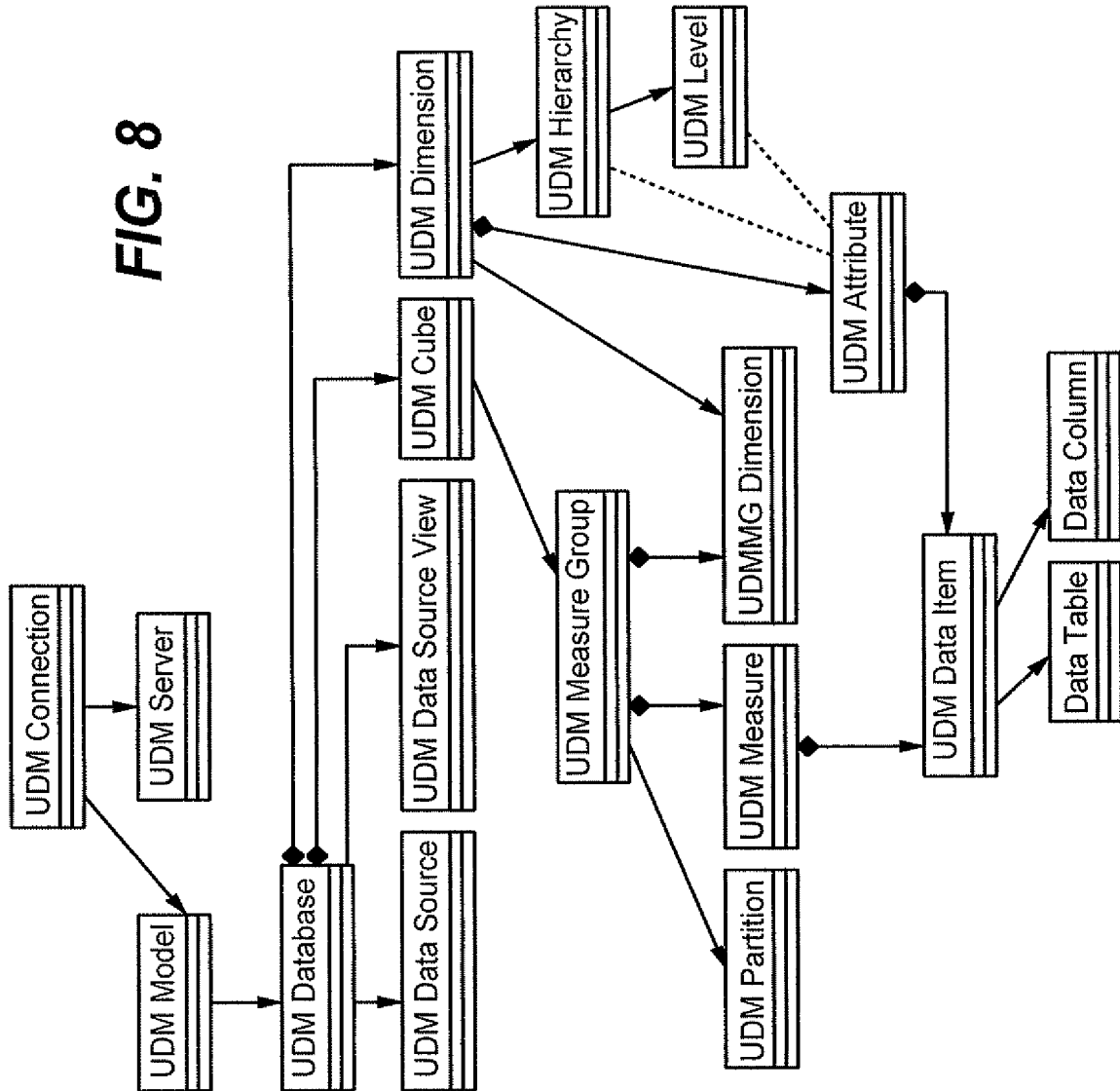


FIG. 7

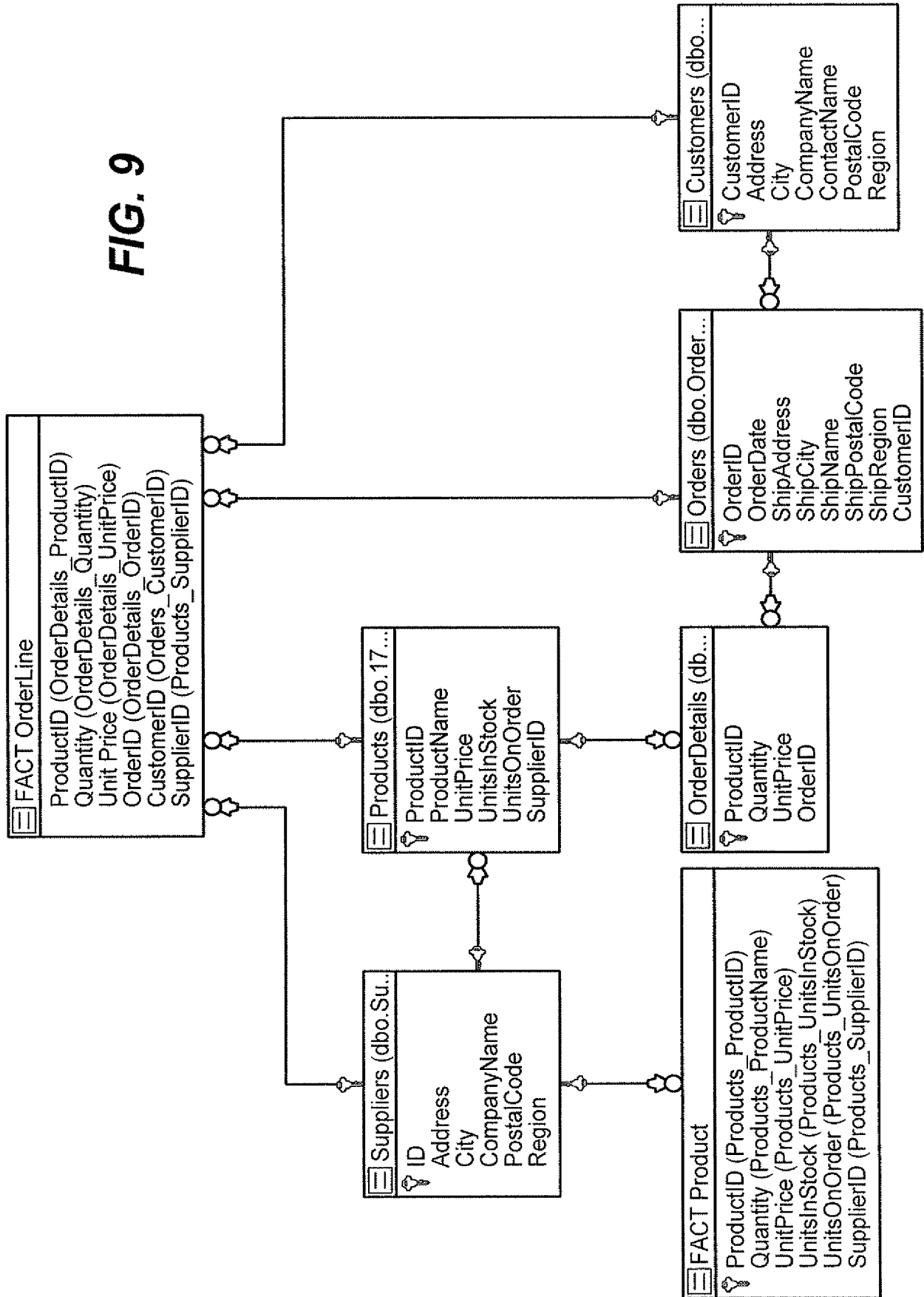
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FIG. 8



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FIG. 9



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FIG. 10

MDX Sample Application - mdxq1 MDX

File Edit Query View Help

DB: MBFDatabase Queries: #1 select [Measures].[&[FACT_OrderLine].[Quantity]] on columns, crossjoin([Customer].[City],[Members].[Supplier].[City],[Members]) on rows from Microsoft_EntityTests

Syntax Examples

Cube: Microsoft_EntityTests

Microsoft_EntityTests

FACT_OrderLine_OrderLine

All	51096
Ann Arbor	1436
Annacy	3073
Bend	1573
Berlin	1436
Boston	2084
Cuxhaven	612
Frankfurt	4072
Goteborg	928
Lappeenranta	1736
London	2213
Lyngby	1056
Manchester	2851
Melbourne	3937
Montceau	534
Montreal	1658
New Orleans	1735
Osaka	1211
Oviedo	1050
Paris	1416
Ravenna	2500
Salerno	1682
Sandylka	2526
Sao Paulo	1125
Singapore	1878
Ste Hvacinthe	1686
Stockholm	1223
Sydney	2108
Tokyo	1134
Zaandam	623
All	160
Aathen	
Ann Arbor	

MBFREP4

430

432

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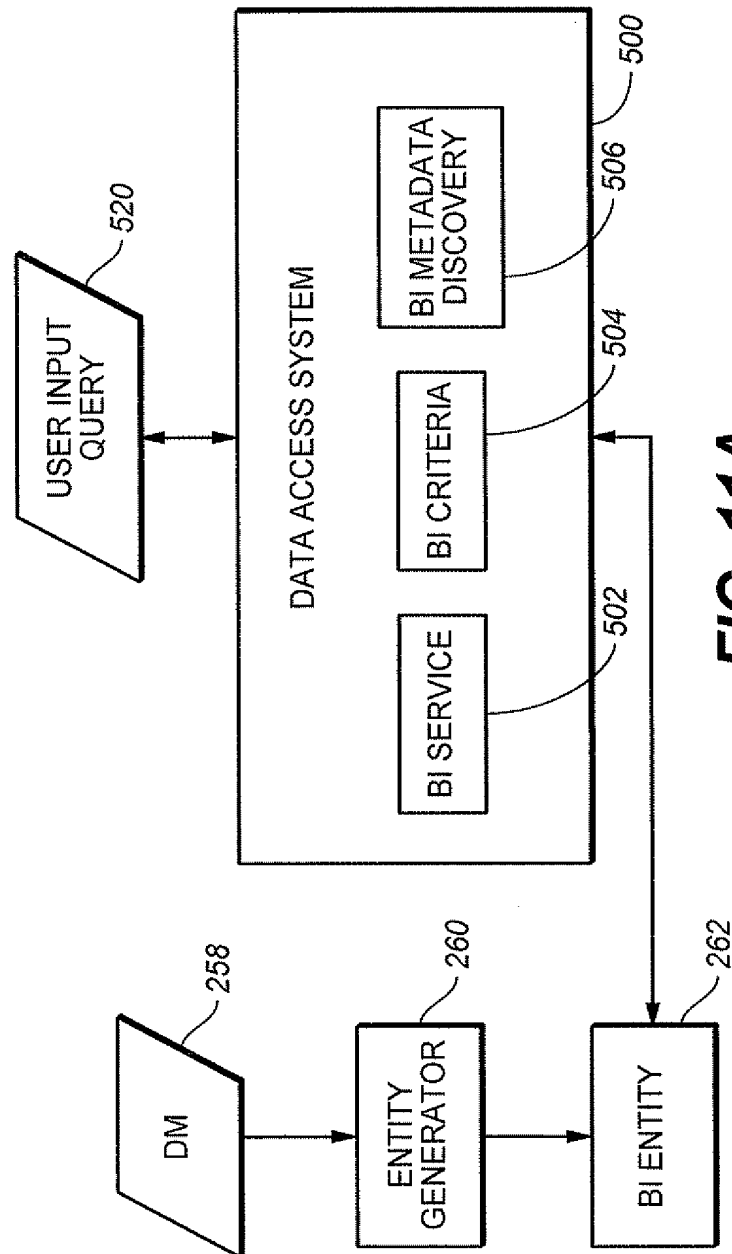


FIG. 11A

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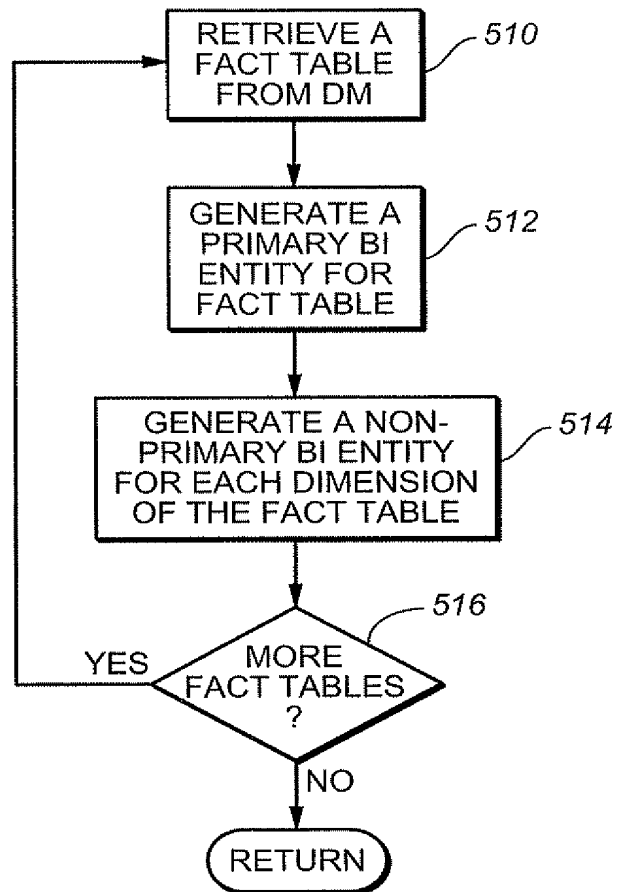
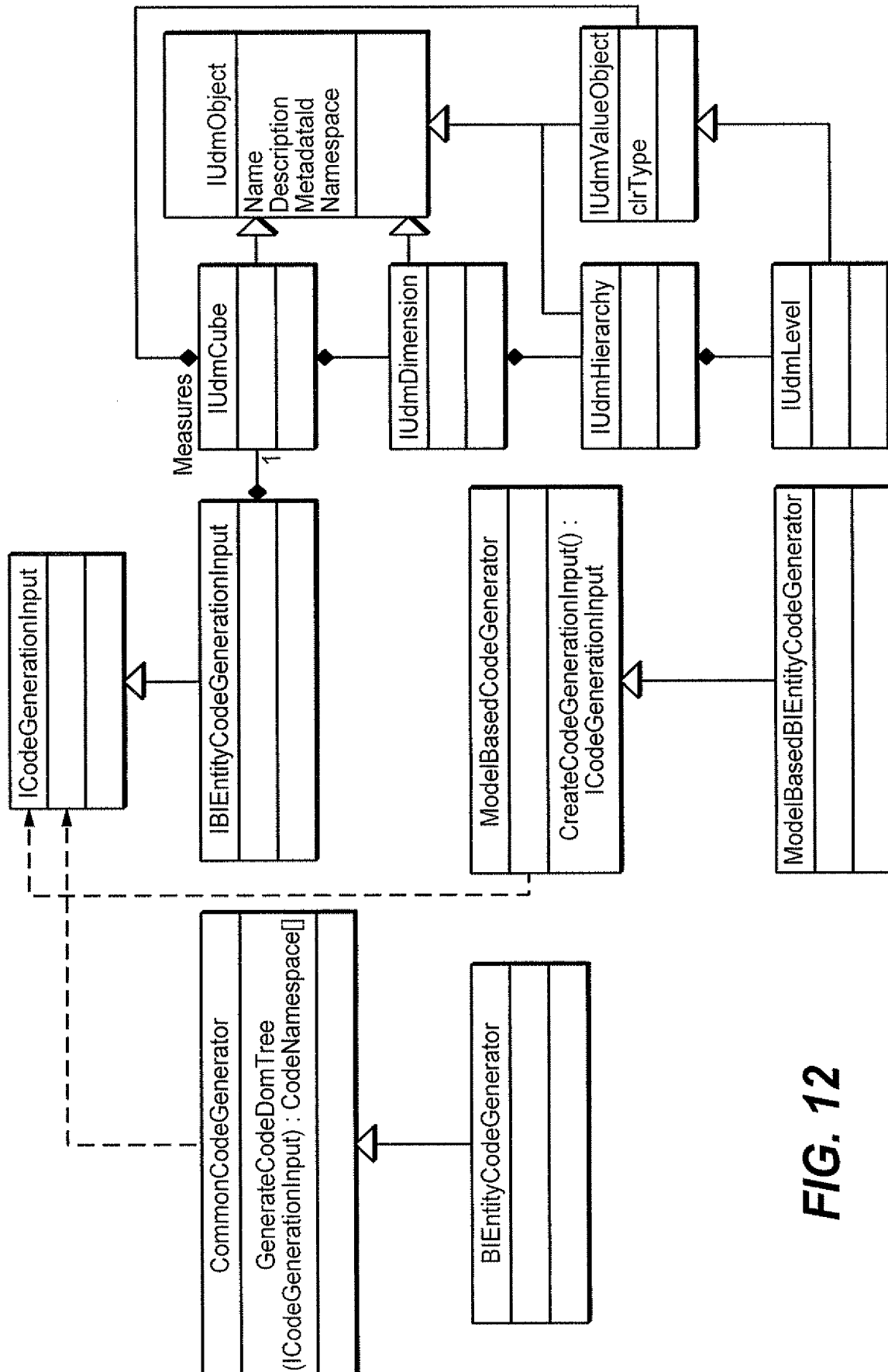


FIG. 11B



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```
public interface ICodeGenerator
{
    /// <summary>
    /// The method returns a GeneratedCodeWithWritableAreaPositions.
    /// </summary>
    /// <param name="input">ICodeGenerationInput defines the data needed for cod-
    generation.</param>
    /// <returns>The GeneratedCodeWithWritablePositions.</returns>
    GeneratedCodeWithWritableAreaPositions
    GeneratedCode(ICodeGenerationInput input);
}

public interface IModelBasedCodeGenerator
{
    /// <summary>
    /// The method reads the store and creates the ICodeGenerationInput needed for
    code generation.
    /// </summary>
    /// <returns></returns>
    ICodeGenerationInput CreateCodeGenerationInput();
}
}
```

FIG. 13

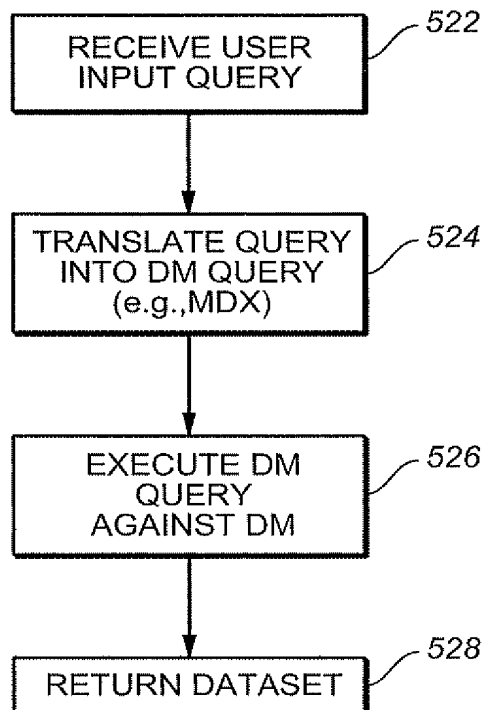
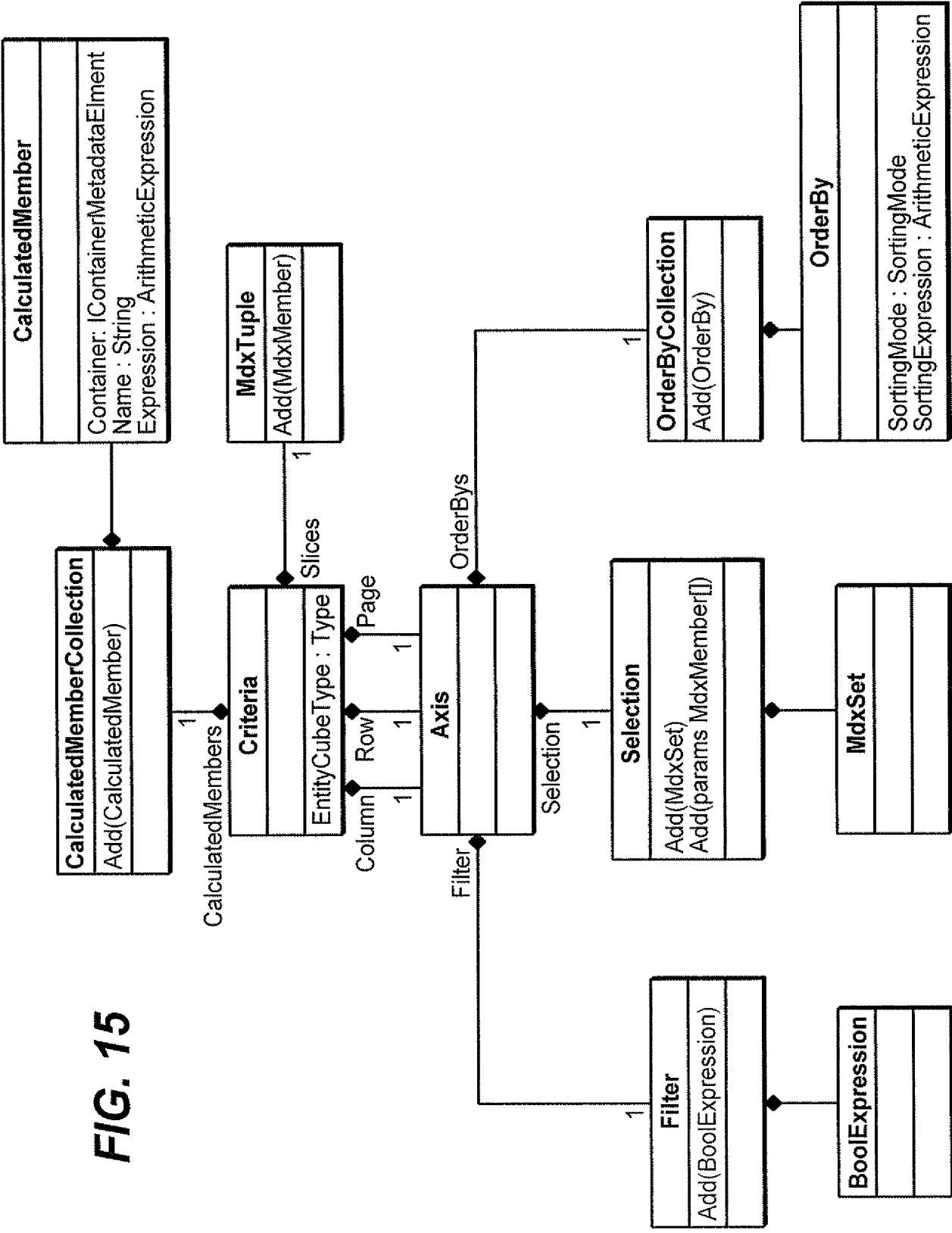
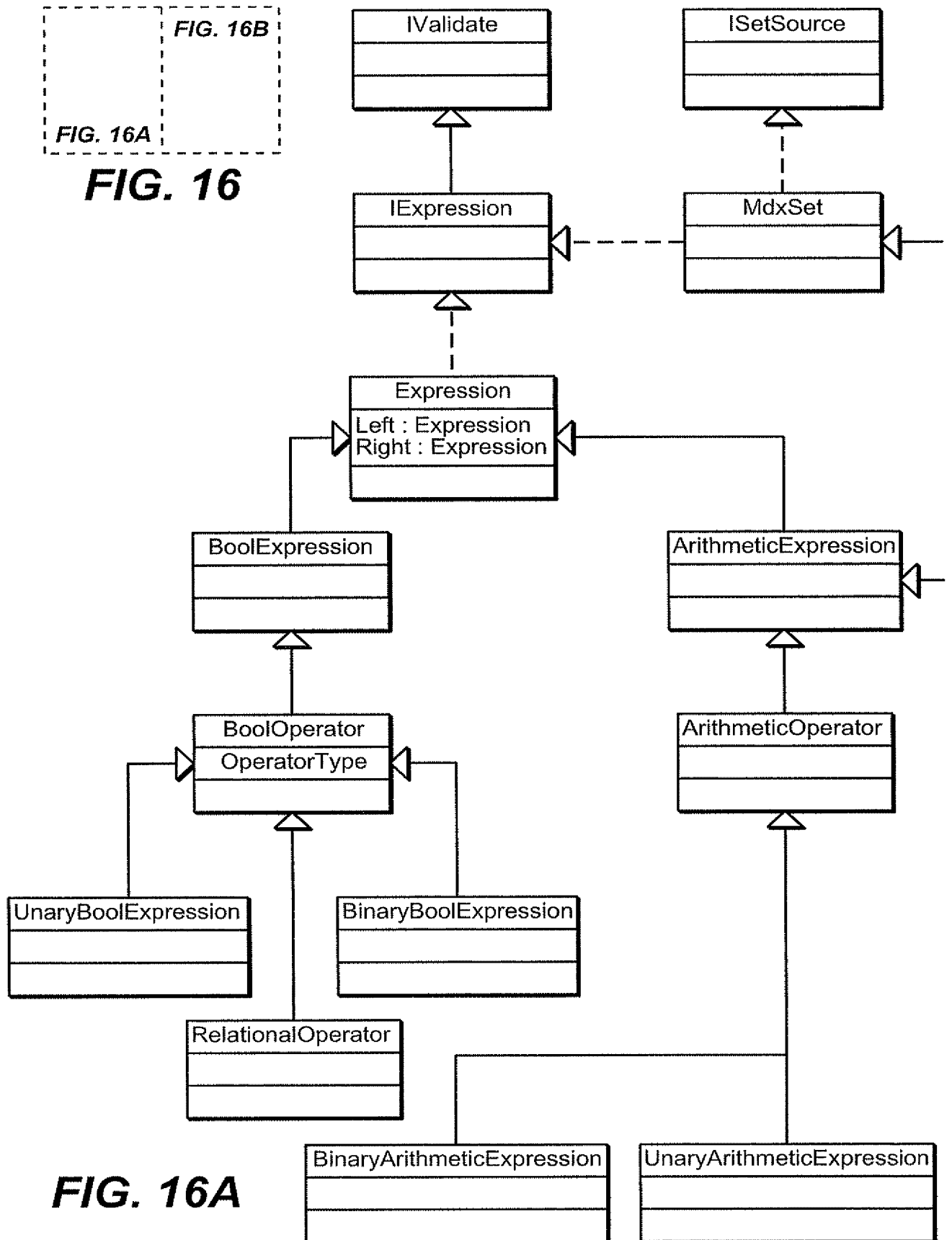


FIG. 14

FIG. 15

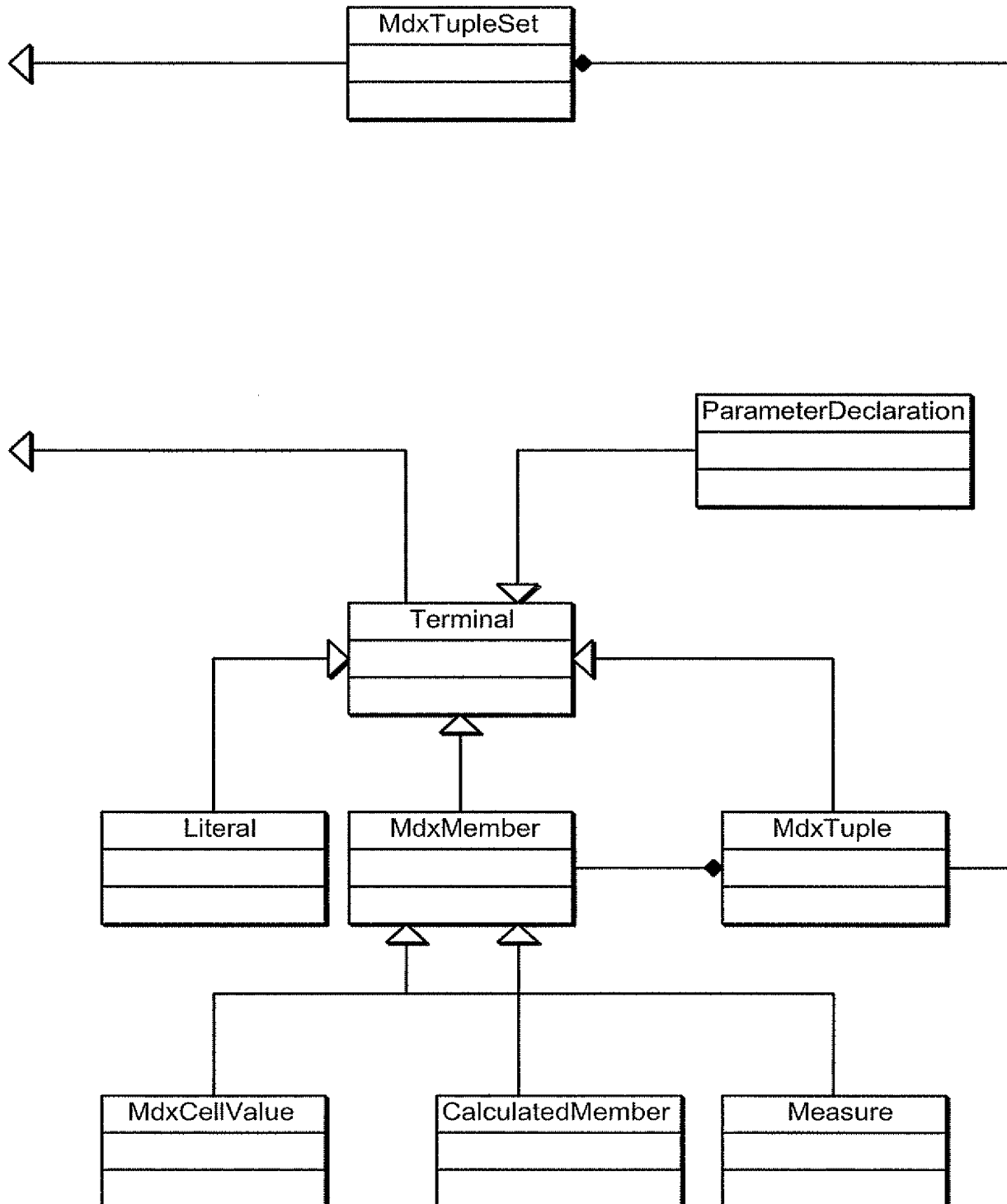


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FIG. 16B



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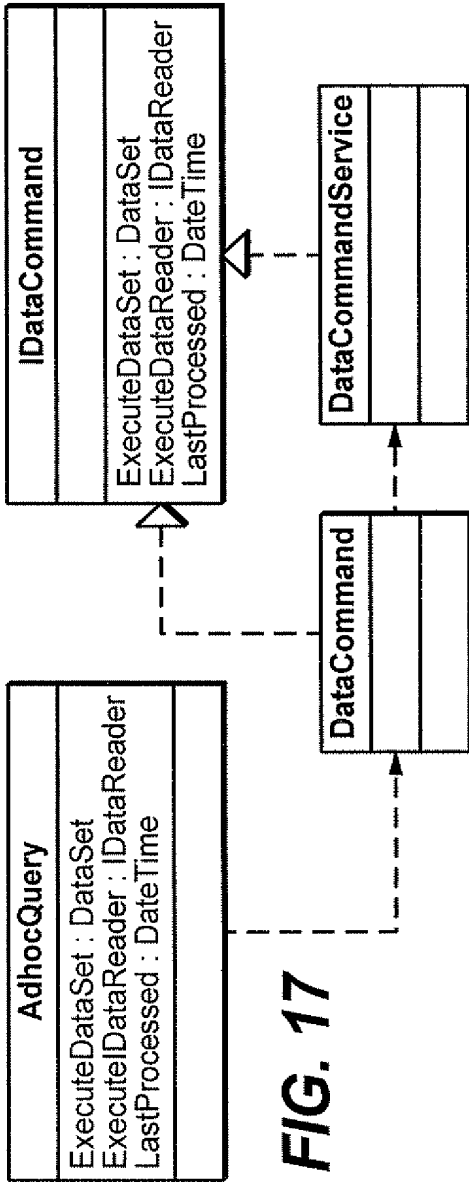


FIG. 18

Form1									
[Order]	[OrderedDate]	[MEMBER_CAPTION]	[Measures]&[FACT_Product_Product_UnitsInStock]	[Measures]&[FACT_OrderLine_OrderLine_UnitP					
All		3119		56424.86					
1996-07-04 00:00:00		(null)		58.6					
1996-07-05 00:00:00		(null)		61					
1996-07-08 00:00:00		(null)		100.5					
1996-07-09 00:00:00		(null)		94					
1996-07-10 00:00:00		(null)		40.4					
1996-07-11 00:00:00		(null)		30.8					
1996-07-12 00:00:00		(null)		88.3					
1996-07-15 00:00:00		(null)		36.6					
1996-07-16 00:00:00		(null)		59.9					
1996-07-17 00:00:00		(null)		57.8					
1996-07-18 00:00:00		(null)		28.8					
1996-07-19 00:00:00		(null)		97.1					

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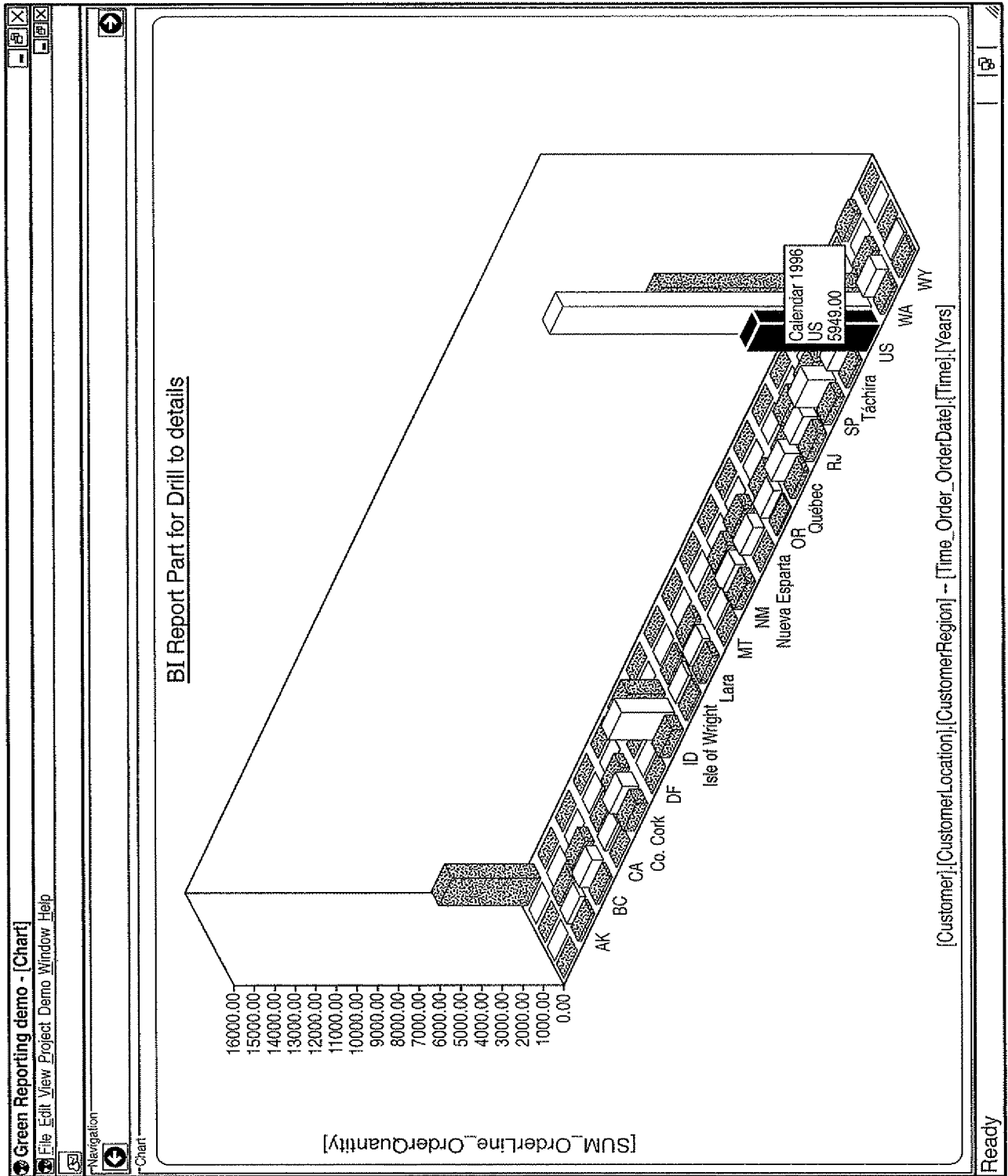


FIG. 19

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Green Reporting demo - [Chart]					Navigation				
File Edit View Project Demo Window Help									
Microsoft Entity Tests Customer					Chart				
Customer	CustomerRegion	CustomerName	CustomerCity	CustomerID	Customer	CustomerRegion	CustomerName	CustomerCity	CustomerID
US		Maria Anders	Berlin	ALFKI	US		Maria Anders	Berlin	ALFKI
US		Ana Trujillo	México D.F.	ANATR	US		Ana Trujillo	México D.F.	ANATR
US		Antonio Moreno	México D.F.	ANTON	US		Antonio Moreno	México D.F.	ANTON
US		Thomas Hardy	London	AROUT	US		Thomas Hardy	London	AROUT
US		Christina Berglund	Luleå	BERGS	US		Christina Berglund	Luleå	BERGS
US		Hanna Moos	Mannheim	BLAUS	US		Hanna Moos	Mannheim	BLAUS
US		Frédérique Citeaux	Strasbourg	BLONP	US		Frédérique Citeaux	Strasbourg	BLONP
US		Marlin Sommer	Madrid	BOLID	US		Marlin Sommer	Madrid	BOLID
US		Laurence Leblanc	Marseille	BONAP	US		Laurence Leblanc	Marseille	BONAP
US		Victoria Ashworth	London	BSSEV	US		Victoria Ashworth	London	BSSEV
US		Patricia Simpson	Buenos Aires	CACTU	US		Patricia Simpson	Buenos Aires	CACTU
US		Francisco Chang	México D.F.	CENTC	US		Francisco Chang	México D.F.	CENTC
US		Yang Wang	Bonn	CHOPS	US		Yang Wang	Bonn	CHOPS
US		Elizabeth Brown	London	CONSH	US		Elizabeth Brown	London	CONSH
US		Sven Ottilieb	Aachen	DRACD	US		Sven Ottilieb	Aachen	DRACD
US		Jeanine Labune	Nantes	DUMON	US		Jeanine Labune	Nantes	DUMON
US		Ann Devon	London	EASTC	US		Ann Devon	London	EASTC
US		Roland Mendel	Graz	ERNSH	US		Roland Mendel	Graz	ERNSH
US		Diego Roel	Madrid	FISSA	US		Diego Roel	Madrid	FISSA
US		Martine Rance	Lille	FOLIG	US		Martine Rance	Lille	FOLIG
US		Maria Larsson	Bräcke	FOLKO	US		Maria Larsson	Bräcke	FOLKO
US		Peter Franken	München	FRANK	US		Peter Franken	München	FRANK
US		Carmine Schmitt	Nantes	FRANR	US		Carmine Schmitt	Nantes	FRANR
US		Paolo Accorti	Torino	FRANS	US		Paolo Accorti	Torino	FRANS
US		Lino Rodriguez	Lisboa	FURIB	US		Lino Rodriguez	Lisboa	FURIB
US		Eduardo Saavedra	Barcelona	GALED	US		Eduardo Saavedra	Barcelona	GALED
US		José Pedro Freyre	Sevilla	GODOS	US		José Pedro Freyre	Sevilla	GODOS
US		Philip Cramer	Brandenburg	KOENE	US		Philip Cramer	Brandenburg	KOENE
US		Daniel Tonini	Versailles	LACOR	US		Daniel Tonini	Versailles	LACOR
US		Annette Roulet	Toulouse	LAMAI	US		Annette Roulet	Toulouse	LAMAI
US		Renate Messner	Frankfurt a.M.	LEHMS	US		Renate Messner	Frankfurt a.M.	LEHMS
US		Giovanni Rovelli	Bergamo	MAGAA	US		Giovanni Rovelli	Bergamo	MAGAA
US		Catherine Dewey	Bruxelles	MAISO	US		Catherine Dewey	Bruxelles	MAISO
US		Alexander Feuer	Leipzig	MORGK	US		Alexander Feuer	Leipzig	MORGK
US		Simon Crowther	London	MORTS	US		Simon Crowther	London	MORTS
US		Yvonne Moncada	Buenos Aires	OCEAN	US		Yvonne Moncada	Buenos Aires	OCEAN
US		Hennette Pfalzheim	Köln	OTTIK	US		Hennette Pfalzheim	Köln	OTTIK
US		Mane Bertrand	Paris	PARIS	US		Mane Bertrand	Paris	PARIS
US		Guillermo Fernández	México D.F.	PERIC	US		Guillermo Fernández	México D.F.	PERIC
US		Georg Poppo	Salzburg	PICCO	US		Georg Poppo	Salzburg	PICCO
US		Isabel de Castro	Lisboa	PRINI	US		Isabel de Castro	Lisboa	PRINI
US		Horst Kloss	Cunewalde	QUICK	US		Horst Kloss	Cunewalde	QUICK
US		Sergio Gutiérrez	Buenos Aires	RANCH	US		Sergio Gutiérrez	Buenos Aires	RANCH
US		Maurizio Moroni	Reggio Emilia	REGGC	US		Maurizio Moroni	Reggio Emilia	REGGC
US		Michael Holz	Genève	RICSU	US		Michael Holz	Genève	RICSU
US		Alejandra Camino	Madrid	ROMEY	US		Alejandra Camino	Madrid	ROMEY

FIG. 20

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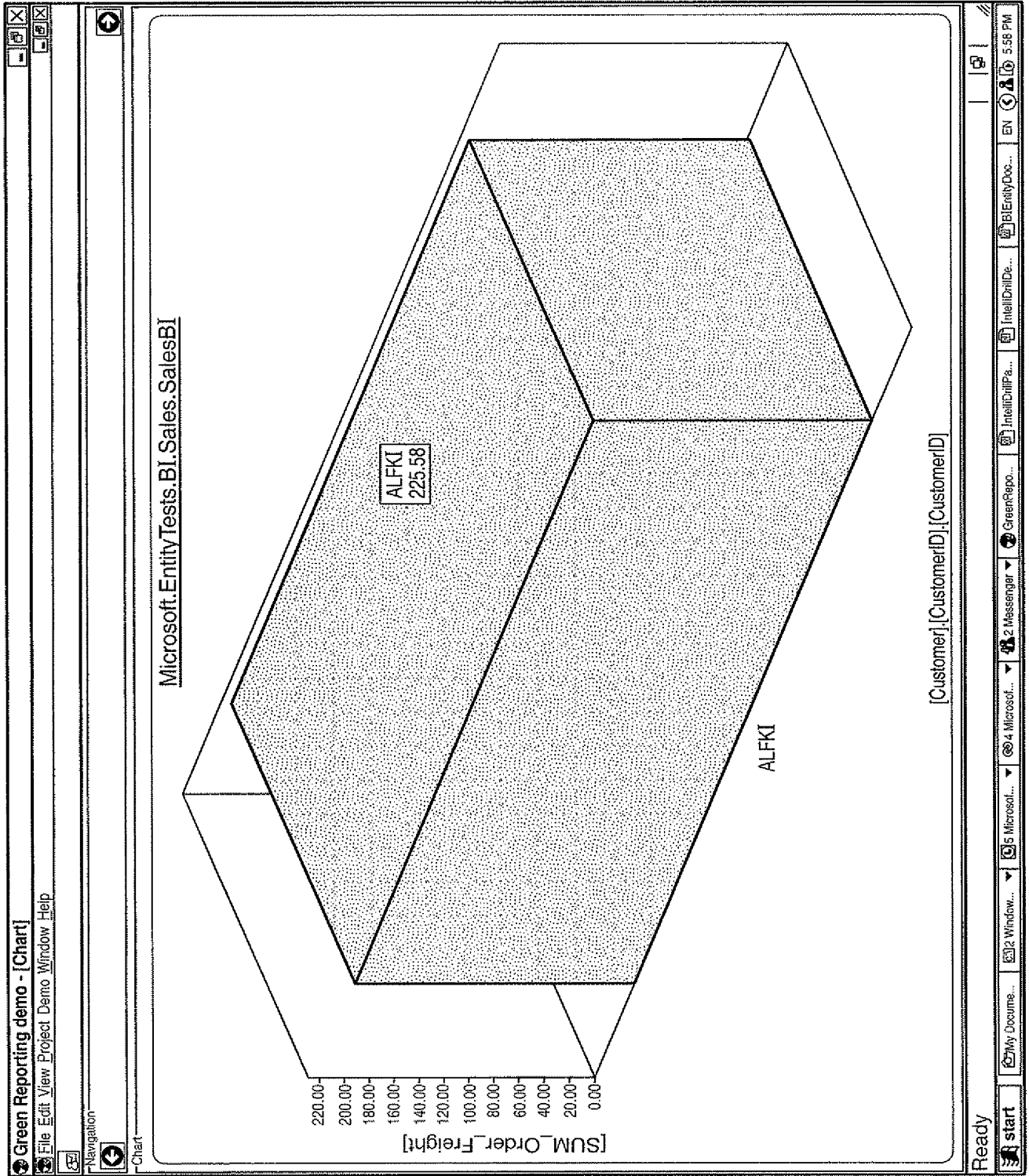


FIG. 21

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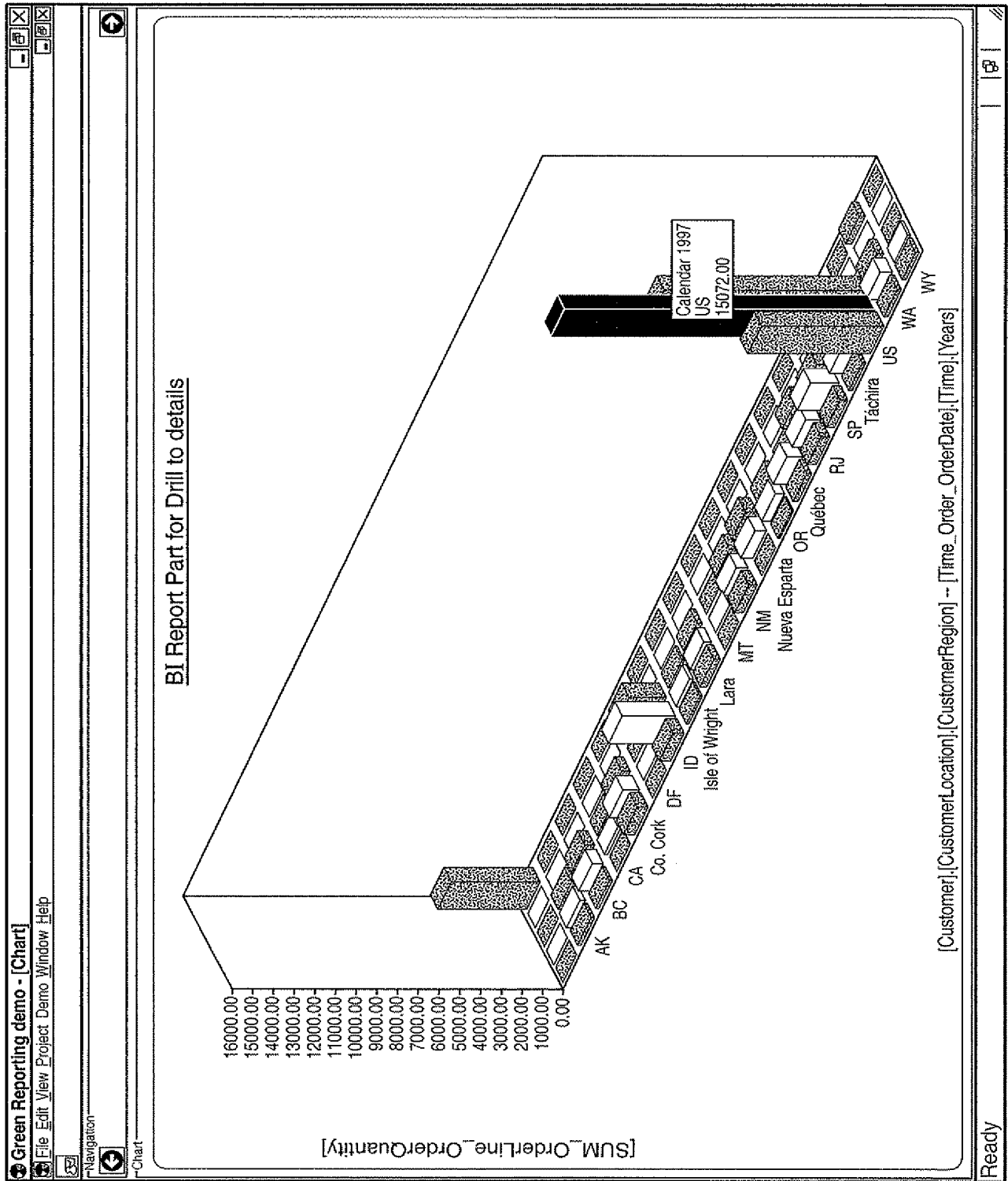


FIG. 22

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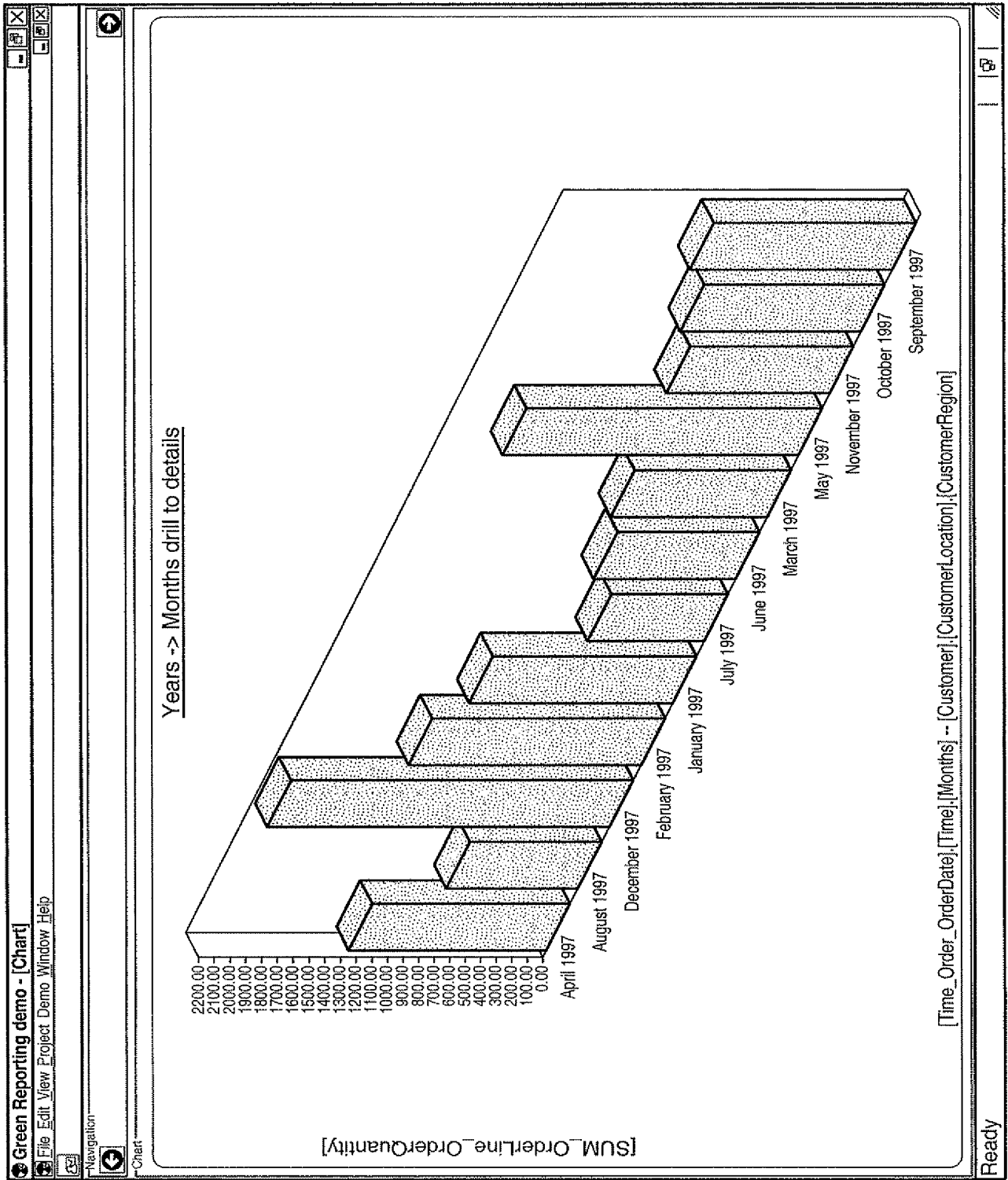


FIG. 23

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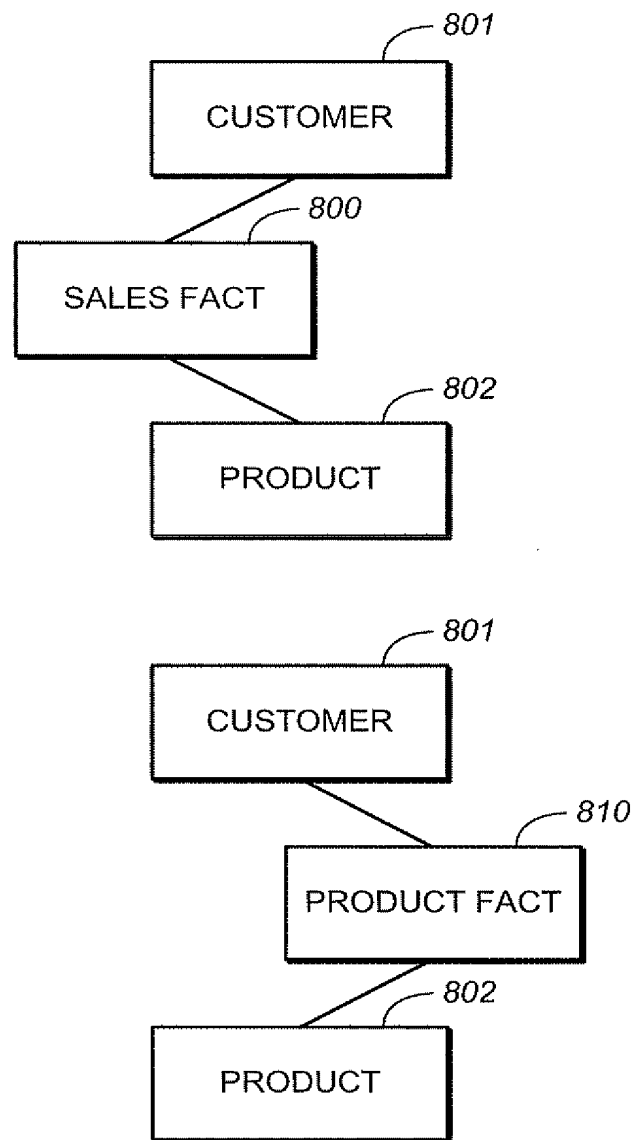


FIG. 24

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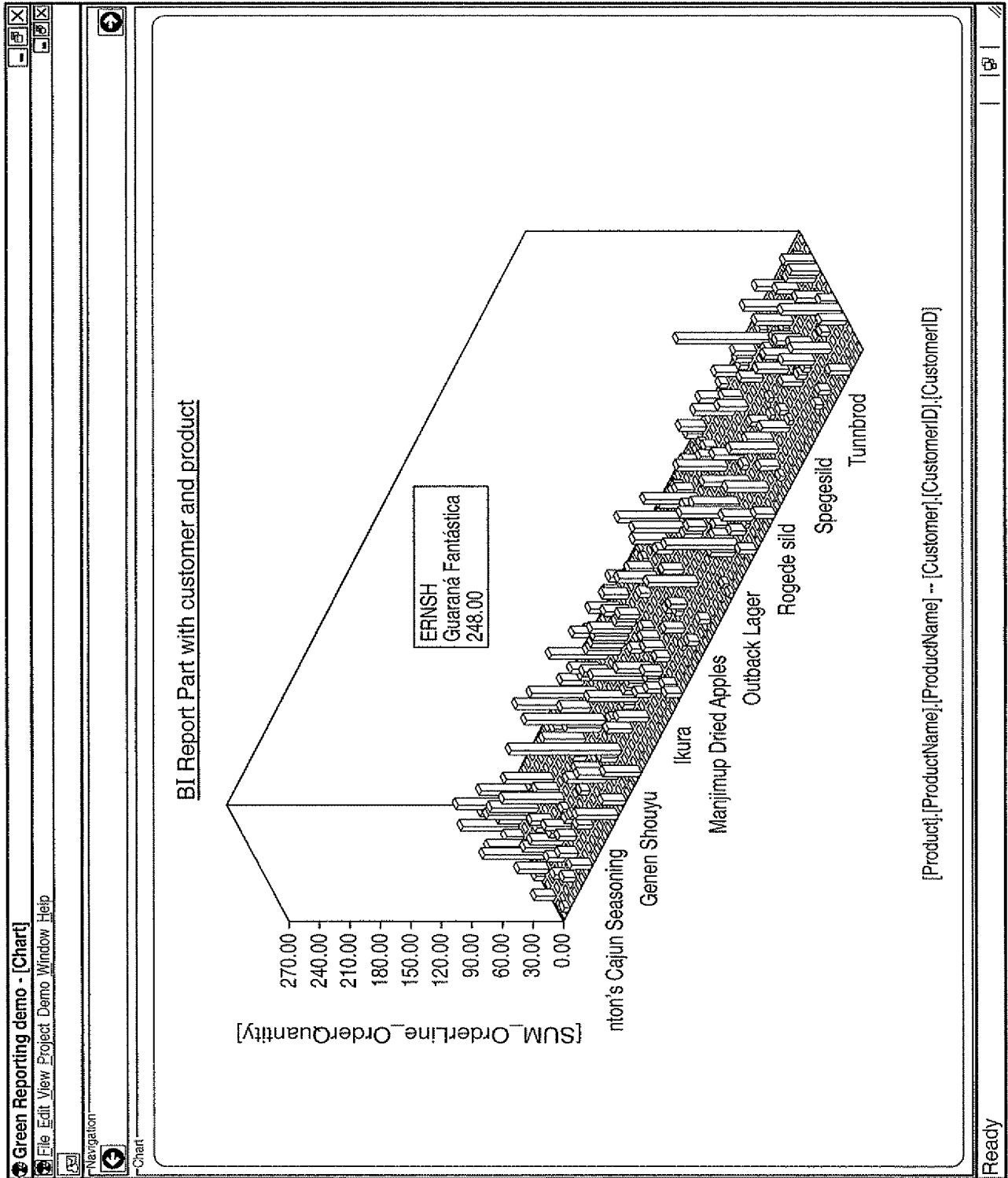


FIG. 25

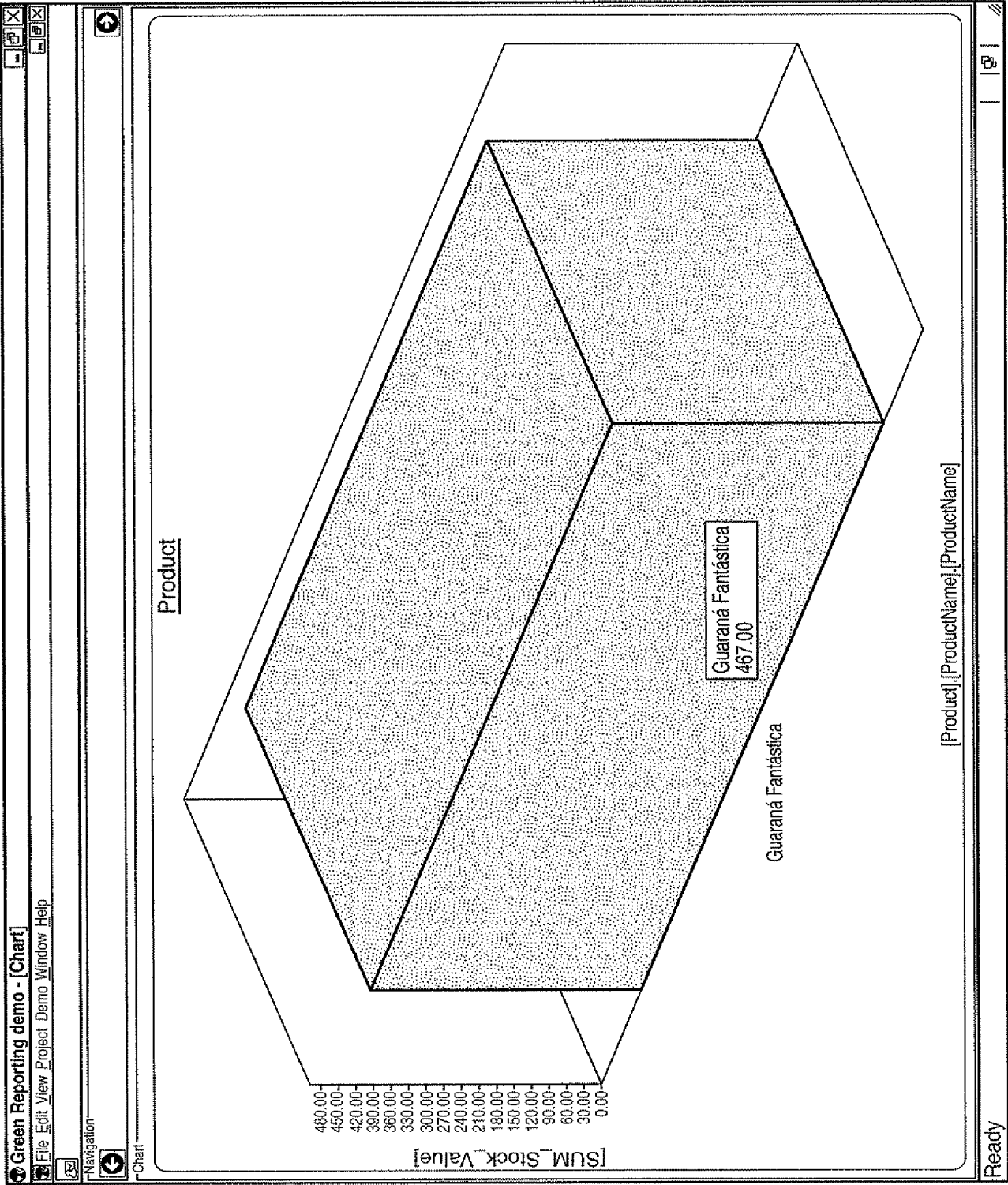


FIG. 26

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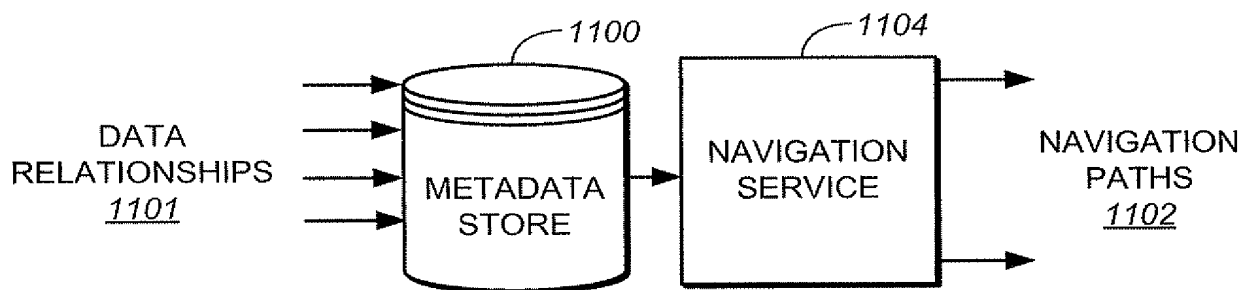


FIG. 27

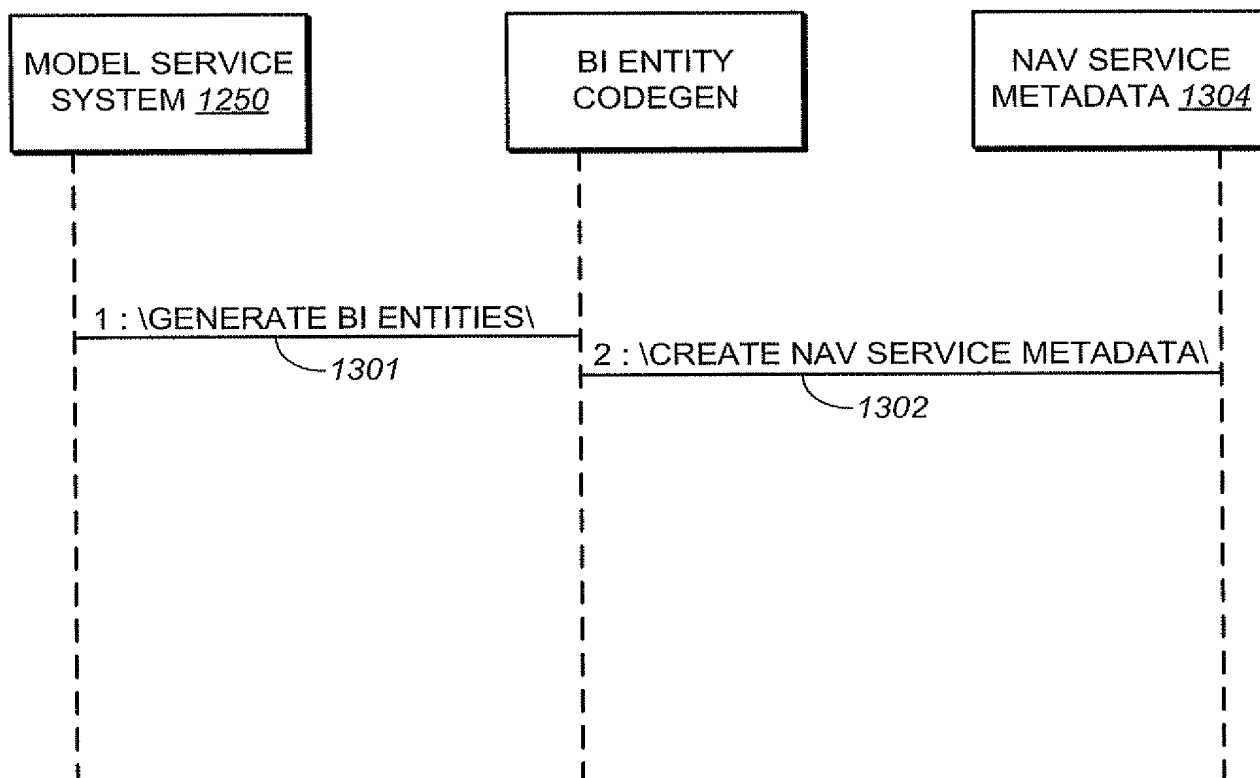


FIG. 28

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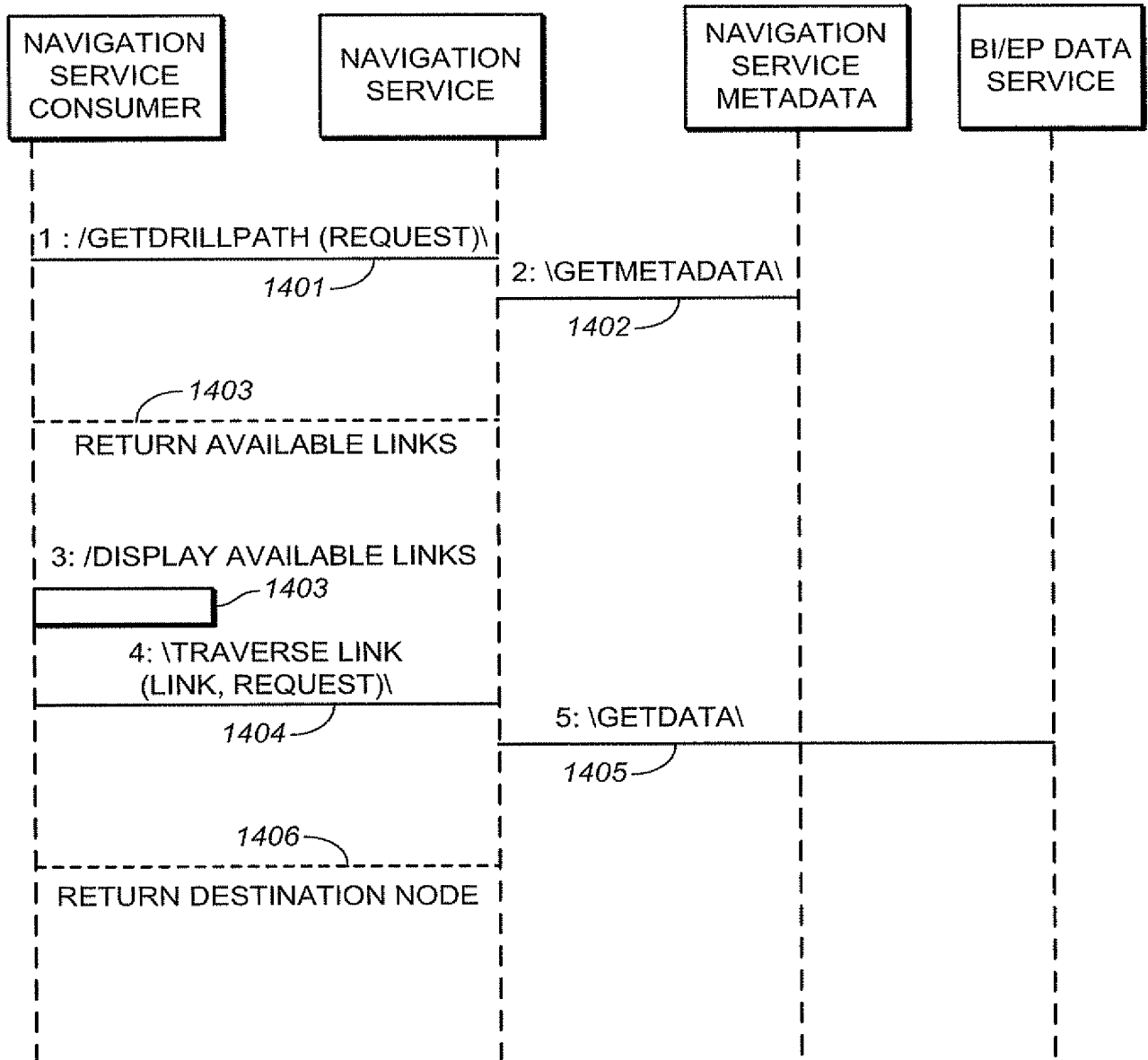


FIG. 29

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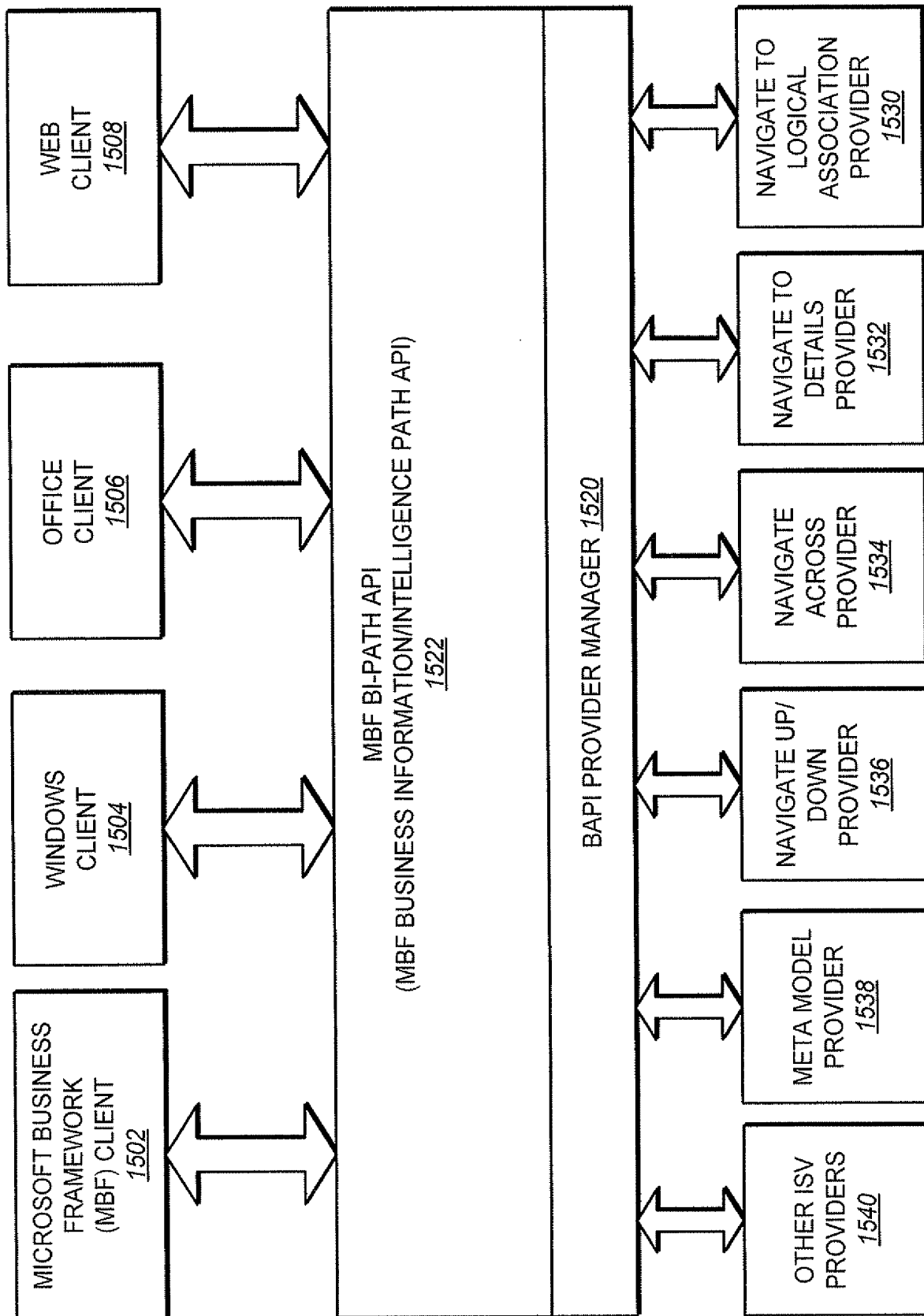


FIG. 30

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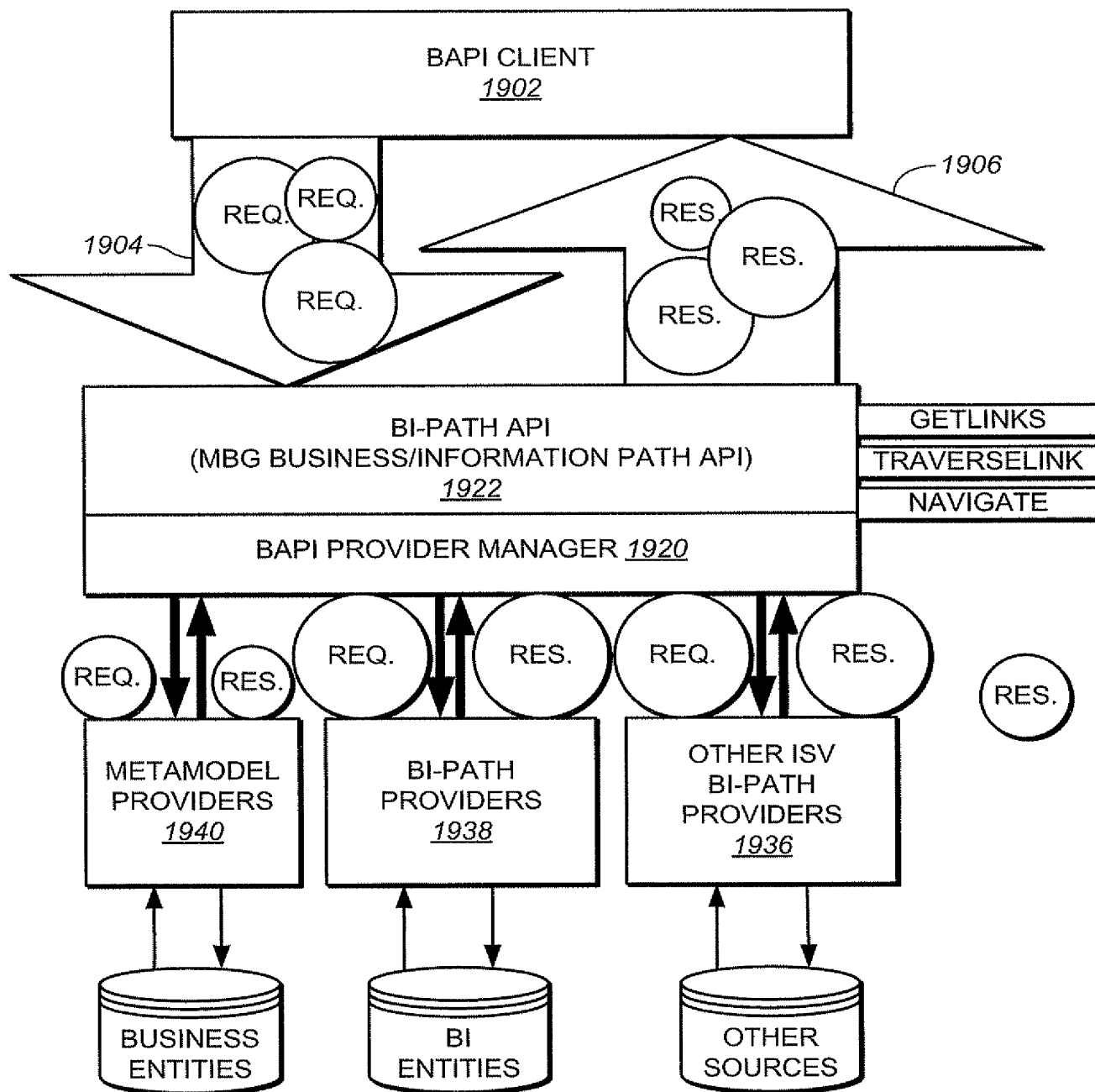


FIG. 31

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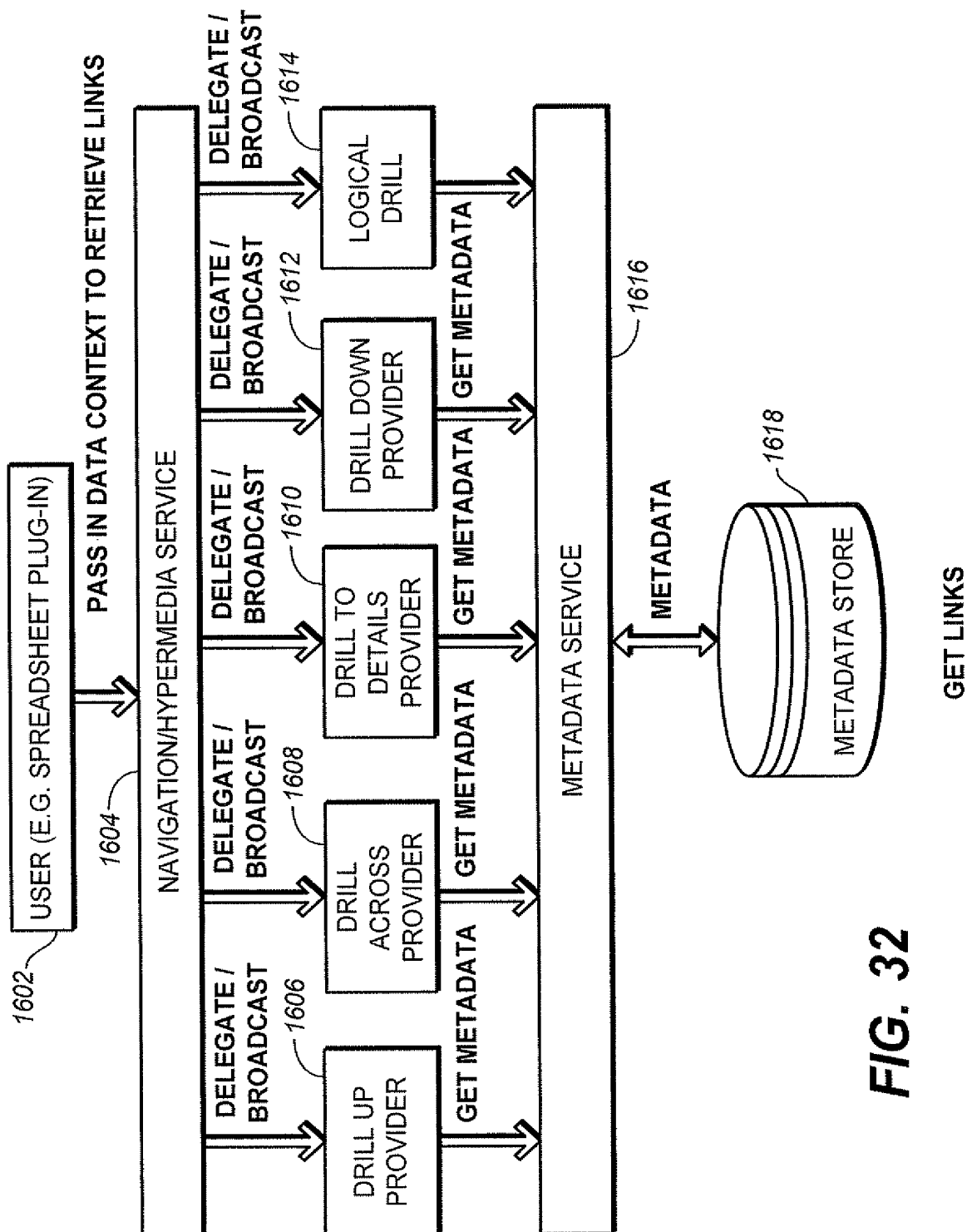
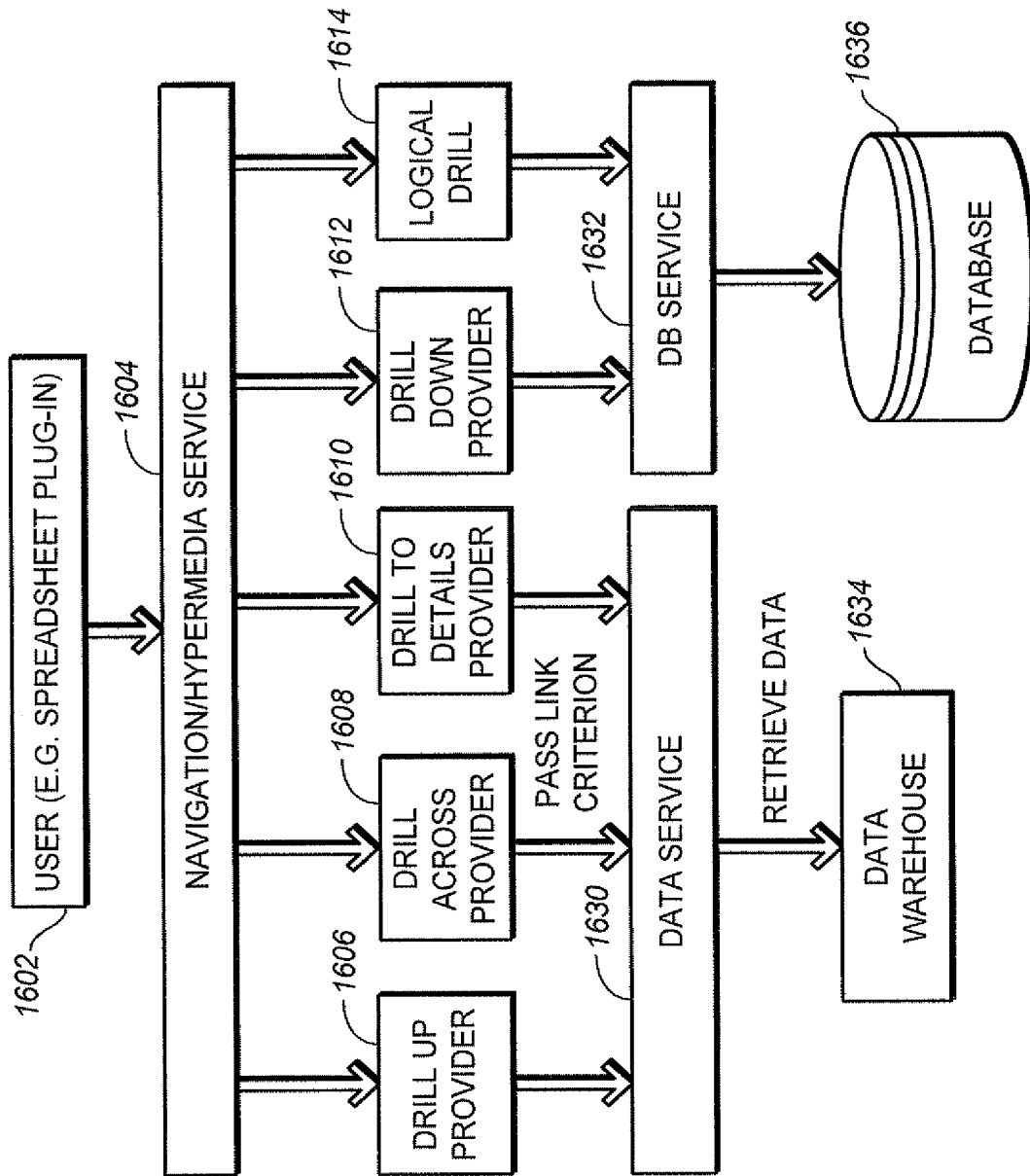


FIG. 32

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TRAVERSE LINKS

FIG. 33

FIG. 34

